Index for Years 1961, 1962 and 1963

(Volumes 41, 42 and 43)

NOTE: The volume year is in *italic* type. Page numbers of symposium and clinic titles are in **boldface** type.

SYMPOSIA

1961

February (Chicago)	COMMON OPERATIONS—REFINEMENTS IN TECHNIQUE
April (New York Hospital)	THE CIRCULATORY SYSTEM IN SURGERY
June (Lahey Clinic)	THORACIC SURGERY (EXCLUSIVE OF THE HEART)
August (Mayo Clinic)	DIFFICULT DIAGNOSTIC PROBLEMS IN SURGERY
October (University of Michigan Medical Center)	PROBLEMS IN SURGICAL MANAGEMENT
December (Nationwide)	ORTHOPEDIC MANAGEMENT: PRINCIPLES AND ALTERNATIVE TECHNIQUES

1962

February (Chicago)	APPLIED PHYSIOLOGY IN SURGICAL DISEASE
April (Nationwide)	CANCER MANAGEMENT—CURRENT KNOWLEDGE
June (Lahey Clinic)	SURGERY OF THE ENDOCRINE GLANDS
August (San Francisco)	PROGRESS IN GYNECOLOGY AND OBSTETRICS
October (Nationwide)	RECENT ADVANCES IN SURGERY OF THE GASTROINTESTINAL TRACT
December (Nationwide)	METHODS OF IMPROVING MORBIDITY AND MORTALITY RATES IN STANDARD OPERATIONS

1963

February (Chicago)	CLINICAL ADVANCES IN SURGERY
April (University of Colorado)	MANAGEMENT OF TRAUMA
June (Boston)	SURGICAL COMPLICATIONS AND THEIR TREATMENT
August (Mayo Clinic)	SURGERY OF THE HEAD AND NECK
October (Nationwide)	PRIVATE CLINIC SURGERY IN THE U.S.A.
December (Accident Service, Royal Victoria Hospital, Montreal)	SURGERY OF THE SHOULDER REGION

ABDOMEN, acute, diagnosis, abdominal pain in, *1962*: Feb., 246
serum enzymes in, *1962:* Feb., 261
aortic aneurysm, diagnosis and treatment, *1961:* April, **497–508**
incisions, in gynecologic surgery, *1962:* Aug., 1037
organs of, evaluation in fracture case, *1961:* Dec., 1454
surgery, for nonmalignant lesions, difficult problems in, *1961:* Aug., **929–933**

Abdomen (*Continued*)
tumors of, in infancy and childhood, problems in management, *1961:* Oct., **1295–1305**
upper, surgical procedures, quadrant-reflecting incision in, *1963:* Oct., **1373–1377**
wounds, complications in gynecologic surgery, *1962:* Aug., **1037–1047**
operative, infections of, *1963:* June, 766
Abdominal pain, physiology of, *1962:* Feb., **241–248**. See also under *Pain*.

Abdominal tap, four-quadrant, in retroperitoneal injuries, *1963:* April, 452
Abdominoperineal resection of rectum, two-team, technique, *1961:* Feb., **115–122**
with total colectomy, one-stage procedure, *1961:* Feb., **123–133**
Abortion, incompetent cervix as cause, external scarification procedure for, *1962:* Aug., **955–959**
therapeutic, hysterectomy for, *1961:* Feb., 155
Abscess. See also under names of organs.
abdominal, postoperative, *1963:* June, 767
appendiceal, *1961:* Feb., 101
intraperitoneal, after colon surgery, *1963:* June, 778
pelvic, postoperative, *1963:* June, 808
subdiaphragmatic, extension into thoracic cavity, *1961:* June, **847–852**
postoperative, *1963:* June, 874
Accident prevention, *1963:* April, 332
Achalasia, of esophagus, *1961:* June, 780
modified Heller operation for, *1962:* Dec., **1407–1418**
Acid-base balance, *1961:* Oct., 1155; *1962:* Feb., 41
disturbances, after open heart surgery, *1961:* Oct., 1252
Acid-base defects, buffers in, *1963:* June, 577–583
Acidosis, metabolic, in heart surgery, *1963:* June, 736
postoperative, in chest surgery, *1961:* June, 611
profound, fluids and electrolytes in, *1962:* Feb., 46
respiratory, during pneumonectomy, *1962:* Dec., 1530
postoperative, *1963:* June, 872, 874
treatment, tromethamine (Talatrol), for, *1963:* Feb., **179–186**
Acid-peptic digestion, resistance of gastrointestinal tract to, *1962:* Feb., 196
Acromioclavicular joint, injuries, disability evaluation, *1963:* Dec., 1726
in athletics, *1963:* Dec., **1551–1554**
surgical anatomy, *1963:* Dec., **1541–1546**
Acromion, fractures, *1963:* Dec., 1568
ACTH. See *Corticotropin.*
Actinomycin, arterial infusion, for sarcoma, *1963:* Feb., 32
in cancer therapy, *1962:* June, 810, 814
Adenocarcinoma, of thyroid, treatment, *1962:* June, 689, 690
Adenoidectomy, technique, *1961:* Feb., **213–219**
Adenoma, islet cell, of pancreas, *1962:* June, 711
of bronchus, *1961:* June, **747–753**
of colon. See also *Polyps.*
logic or fantasy, *1962:* Oct., **1077–1080**
Adenoma (*Continued*)
of large intestine, relation to cancer, *1962:* Oct., 1078, Dec., 1452
villous (papillary), diagnosis, *1962:* Dec., 1457
in Hawaii, *1963:* Oct., 1412
parathyroid, *1961:* Aug., **1061–1068**; *1962:* June, **633–638**
mediastinotomy for, *1961:* June, **667–668**
pituitary, diagnosis, *1962:* June, 581, 582
roentgen treatment, dosages, *1962:* June, **603–611**
Adenomatosis, multiple, of endocrine glands, hyperparathyroidism in, *1961:* Oct., 1208
primary chief-cell, in hyperparathyroidism, *1963:* Aug., 1119
of parathyroids, *1961:* Aug., 1066
Adhesions, of joints, injection therapy, *1961:* Dec., 1609
Adnexa, removal, at hysterectomy, *1961:* Feb., 152
Adrenal gland, and hepatic metastases in cancer, *1962:* April, 344
dysfunction, management, preoperative, *1963:* June, 661
lesions, androgenism in female due to, *1962:* Aug., 964, 969, 970
malignancies, radiation therapy, *1962:* April, 415
surgical diseases, diagnosis, *1962:* June, 582, 584
landmarks in history of, *1962:* June, 574
thyroid and, relation, *1962:* June, 644
tumors, *1962:* April, **545–559**
cortical, *1962:* April, 551–557
medullary, *1962:* April, 545
Adrenal steroids. See *Corticosteroids.*
Adrenalectomy, for carcinoma of breast, *1961:* Oct., 1226; *1962:* April, 501, June, 699, Aug., 866, 868
for essential hypertension, physiologic principles, *1962:* Feb., 104
Adrenocortical hyperfunction in bronchogenic carcinoma, *1962:* April, 308
Adrenocortical steroids. See *Corticosteroids.*
Adrenocorticotropin. See *Corticotropin.*
Adrenogenital syndrome, *1962:* April, 555, June, 582, 584
Agammaglobulinemia in thymic tumors, *1962:* April, 307
Age, influence on operative risk in aneurysm of aortic arch, *1962:* Dec., 1550
Aged persons, gastroduodenal disease of, surgery for, current concepts, *1963:* Feb., **261–275**
Aged women, procidentia in, treatment, *1962:* Aug., **1033–1047**
Air embolism, in head and neck surgery, *1963:* Aug., 933
Air passages. See also *Breathing; Respiration.*

Air passages (*Continued*)
in head and neck surgery, *1963:* Aug., 934
in head and neck trauma, *1963:* Aug., 918
management, after thoracic surgery, *1961:* June, 610
obstruction, after cardiovascular surgery, *1961:* April, 310
severe, management of, *1961:* Feb., **201–212**
English, in head and neck surgery, *1963:* Aug., 935, 936
Albumin, loss, in gastric disease, *1962:* Oct., 1126
Alcohol, effect on pancreatic secretion, *1962:* Feb., 206
Aldosteronism, primary, diagnosis and treatment, *1962:* April, 552, June, 582, 584
hypertension in, surgical physiology, *1962:* Feb., 99
Alimentary tract, carcinoma, chemotherapy, *1962:* Oct., **1147–1170**
duplications, *1963:* June, 697
fluids, normal, *1962:* Feb., 39
perforation, peritonitis secondary to, management, *1962:* Dec., **1481–1487**
Alkalosis, metabolic, *1962:* Feb., 42, 43
profound, fluids and electrolytes in, *1962:* Feb., 46
respiratory, *1962:* Feb., 42
Alkylating agents, in cancer therapy, *1962:* April, 353, June, 809, 810
Alleles, *1962:* April, 289
Allergy, gastrointestinal, *1962:* Oct., 1115
Alphaprodine for surgical anesthesia, administration, side effects and specific applications, *1963:* Oct., **1229–1242**
Ambulation, immediate, following fracture of tibia, *1961:* Dec., 1501
Amenorrhea, congenital factors in, *1962:* June, 736
methods of evaluation, *1962:* June, 733
ovarian factors, *1962:* June, 742
postcurettage, *1962:* June, 741
role of gynecologic surgeon in, *1962:* June, **733–747**
uterine factors, *1962:* June, 741
Amethopterin, in cancer therapy, *1962:* April, 358
Ammonia, blood, in upper gastrointestinal hemorrhage, *1962:* Oct., 1092
Ammonia intoxication, in portal hypertension, *1961:* Oct., 1315
prevention in cirrhotic patient, *1962:* Dec., 1505
Amputation, avoidance in arteriosclerotic occlusive disease by limb salvage angioplasty, *1963:* Feb., **295–309**
for ischemia, hematoma following, *1963:* June, 720
in frostbite, indications, *1963:* April, 532
index ray, *1963:* April, **367–370**
Amylase, serum, in acute abdomen, *1962:* Feb., 262
in acute pancreatitis, *1962:* Dec., 1491
in pancreatic disease, *1962:* Feb., 258
in traumatic pancreatitis, *1963:* April, 404, 405
urine, in pancreatic disease, *1962:* Feb., 260
Anatomy, surgical, of leg, *1961:* Dec., 1473
of perineum, *1962:* Aug., **877–893**
of shoulder, *1963:* Dec., **1471–1482, 1507–1515**
Androgen therapy in carcinoma, *1962:* April, 359, 500
of breast, *1961:* Oct., 1229; *1962:* June, 698, Aug., 864
Androgenism in female, diagnostic approach, *1962:* Aug., **961–974**
etiological categorization, *1962:* Aug., 962
treatment, *1962:* Aug., 972
Anemia, aplastic, in thymic tumors, *1962:* April, 307
hemolytic, acquired, splenectomy for, *1963:* Feb., 218
congenital, in infancy and childhood, *1961:* Oct., 1302
primary (congenital), as indication for splenectomy, *1962:* Dec., 1512
in cancer, *1962:* April, 321
in systemic disorders, splenectomy for, *1963:* Feb., 221
Mediterranean, splenectomy for, *1963:* Feb., 220
sickle cell, splenectomy for, *1963:* Feb., 220
Anesthesia, chloroform, *1963:* June, 647
cyclopropane, *1963:* June, 643
diethylether, *1963:* June, 645
divinyl ether (Vinethene), *1963:* June, 646
ethyl chloride, *1963:* June, 647
ethylene, *1963:* June, 645
for acquired or congenital heart disease, with cardiopulmonary bypass, *1961:* April, 334
without cardiopulmonary bypass, *1961:* April, 330
for cardiac surgery, *1961:* April, **327–337**
postanesthetic care, *1961:* April, 336
for chest surgery, *1961:* June, **591–602**
for colpocleisis in aged, *1962:* Aug., 1035
for craniotomy, *1962:* Dec., 1568
for hemorrhoidectomy, *1961:* Feb., 146
for herniorrhaphy in adult, *1961:* Feb., 222
for hysterectomy, *1961:* Feb., 157; *1962:* Aug., 938

Anesthesia (*Continued*)
for ligation and stripping operation, *1961:* Feb., 237
for operations on head and neck, *1963:* Aug., **929–942**
for otologic surgery, *1963:* Oct., 1208
for radical neck dissection for cancer, *1961:* Feb., 192
for repair of aneurysm of abdominal aorta, *1962:* Dec., 1558
for skin grafting in burns, *1961:* Oct., 1182
for tracheotomy, *1961:* Feb., 206
for transoral vocal-cord surgery, *1963:* Aug., 1083
halothane (Fluothane), *1963:* June, 647
nitrous oxide, *1963:* June, 644
paracervical block, in obstetrics and gynecology, *1962:* Aug., **927–931**
surgical, alphaprodine for, *1963:* Oct., **1229–1242**
thiamylal (Surital), *1963:* June, 648
thiopental (Pentothal), *1963:* June, 648
trichlorethylene (Trilene), *1963:* June, 646
Anesthetics, inhalation, ideal, characteristics of, *1963:* June, 638
old and new, theoretical and practical concepts, *1963:* June, **637–650**
uptake and distribution, *1963:* June, 638
Aneurysm(s), and occlusions of cervical carotid arteries, *1963:* Aug., **1145–1155**
arteriovenous, pulmonary, *1961:* June, **801–806**
false, traumatic, *1961:* June, 632
of aorta, abdominal, diagnosis and treatment, *1961:* April, **497–508**
equipment for operation, *1962:* Dec., 1558
improving morbidity and mortality rates in surgical repair, *1962:* Dec., **1555–1565**
operative technique, *1962:* Dec., 1559
postoperative care, *1962:* Dec., 1564
preoperative preparation, *1962:* Dec., 1556
rupture of, *1962:* Dec., 1563
surgery of, anesthesia for, *1961:* April, 332; *1962:* Dec., 1558
tumor and, differentiation by intravenous angiocardiography, *1961:* June, 579
resection of, hemorrhage following, *1963:* June, 715
thoracic, vascular bypass during operation for, special considerations in technique, *1961:* June, 807–819
of aortic arch, etiology, extent and location as influences on operative risk, *1962:* Dec., 1552
factors influencing operative risk, *1962:* Dec., **1543–1554**
of anterior communicating artery,
Aneurysm(s) (*Continued*)
surgical treatment, results, *1962:* June, **793–805**
of carotid arteries, *1963:* Aug., 1152
extracranial, *1963:* Feb., 289
of splenic artery, *1961:* Aug., **1121–1126**
Angina, intestinal, *1962:* Oct., **1321–1328**
Ludwig's, associated with trauma to floor of mouth, *1963:* Aug., 926
Angiocardiography, anesthesia for, *1961:* April, 330
in pulmonary arteriovenous aneurysm, *1961:* April, 532
intravenous, as related to thoracic surgery, *1961:* June, 577
in cardiovascular surgery, *1961:* April, **291–299**
indications for, *1961:* April, 295
technique, *1961:* April, 291
Angiography, catheter localization, fluoroscopic image amplifier in, *1961:* June, 583
cerebral, alphaprodine in, *1963:* Oct., 1236
Angioplasty, limb salvage, progress in, in arteriosclerotic occlusive disease, *1963:* Feb., **295–309**
Ankle, injuries, in skiing, biomechanics of, as related to release bindings, *1963:* April, **363–365**
manipulation of, *1961:* Dec., 1617
Anomalies, cardiovascular, unusual, surgical management, *1961:* April, **417–431**
vascular, producing compression of trachea and esophagus, *1961:* June, **821–834**
Anorectal ring, anatomy, *1962:* Aug., 892
Anorectal triangle, anatomy, *1962:* Aug., 879
Anorectum, conjoint (or composite) longitudinal muscle of, *1962:* Aug., 892
Anorexia, in cancer, *1962:* April, 325
nervosa, pregnancy associated with, report of case, *1962:* Aug., **921–925**
treatment, *1962:* Aug., 924
Antagonists, narcotic, in surgical anesthesia, *1963:* Oct., 1230
Antibiotics. See also individual drugs, as *Penicillin*, etc.
dosages, in infants and children, *1961:* June, 614
excretion by pancreas, *1962:* Feb., 207
in cancer therapy, *1960:* Dec., 1645; *1962:* April, 359, June, 810, 814
in gas gangrene, *1963:* April, 515
in open heart surgery, *1961:* Oct., 1253
in osteomyelitis following fractures of long bones, *1961:* Dec., 1602, 1604
in peritonitis, *1962:* Oct., 1108, 1111
secondary to perforation of alimentary tract, *1962:* Dec., 1485
in shock, *1963:* June, 603
new, *1963:* June, 876
postoperative use, *1963:* June, 630
preoperative use, *1963:* June, **665–676**

Anticancer agents. See also *Chemotherapy of Cancer.*
effects on wound healing, *1962:* Feb., **26**
Anticoagulants, bleeding from, *1963:* June, 724
effect on hepatic metastases in cancer, *1962:* April, 345
in blood vessel surgery, *1961:* Feb., 249, 251
in cardiovascular surgery, pre- and postoperative use, *1961:* April, **323–326**
in carotid artery occlusion, *1963:* Feb., 286
vs. ligation, in thromboembolism, *1961:* Oct., 1347
Antimetabolites in cancer therapy, *1962:* April, 357, June, 810, 811
Antisepsis, intestinal, in colonic surgery, *1962:* Oct., **1277–1284**
Antithyroid drugs in thyrotoxicosis, *1962:* Feb., 159
Antitoxin, gas gangrene, *1963:* April, 516
Antivenin, in black widow bite, *1963:* April, 551
in snake bite, *1963:* April, 548
Antral exclusion operation for peptic ulcer, disadvantages, *1962:* Feb., 190
Anuria, in acute circulatory failure, treatment, *1963:* April, 487
postoperative, *1963:* June, 814
Anus, carcinoma, epidermoid squamous cell, *1962:* Oct., **1235–1241**
imperforate, *1963:* June, 699
Aorta, abdominal, surgery of, aids in, *1961:* Feb., 250
pitfalls, *1961:* Oct., **1331–1341**
and pulmonary artery, congenital transposition, *1961:* April, 417
aneurysm. See under *Aneurysm.*
coarctation, diagnosis and operative treatment, *1961:* April, **359–367**
hypertension in, *1962:* Feb., 99
surgery of, anesthesia for, *1961:* April, 330
closed technique, *1961:* April, 341
insufficiency, acquired, *1961:* April, 437
congenital, *1961:* April, 436
integrity, lesions of, *1961:* April, **433–438**
stenosis, congenital, *1961:* April, 427
surgery of, *1963:* Feb., 140
diagnosis and surgical correction, *1961:* April, **463–776**
thoracic, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1425
vascular bypass during operations on, special considerations in technique, *1961:* June, **807–819**
Aortic arch, aneurysms of, factors influencing operative risk, *1962:* Dec., **1543–1554**
anomalies, compression syndromes from, *1961:* June, 826
Aortic arch (*Continued*)
lesions, retrograde angiocardiography in, *1961:* June, 583
Aortic circulation, temporary arrest of, for repair of aneurysm of aortic arch, influence on operative risk, *1962:* Dec. 1544
Aortic valve, total replacement, factors in improved morbidity and mortality rates, *1962:* Dec., **1537–1541**
Aortic-pulmonary shunts, cardiac catheterization in, *1961:* April, 286
Aortography in abdominal aneurysm, *1961:* April, 500
in renal hypertension, *1962:* Feb., 117
intravenous, *1961:* April, 293
retrograde, anesthesia for, *1961:* April, 330
as related to thoracic surgery, *1961:* June, 580
methods and materials, *1961:* April, 302
selective, in cardiovascular surgery, *1961:* April, **301–308**
Aorto-iliac system, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1430
Apnea, production by alphaprodine, *1963:* Oct., 1233
Appendectomy, incisions for, *1961:* Feb., 96
management of stump, *1961:* Feb., 99
technique, *1961:* Feb., **95–103**
Appendiceal abscess, *1961:* Feb., 101
peritonitis, *1961:* Feb., 101
Appendicitis acute, pain of, *1962:* Feb., 246
perforation of alimentary tract due to, prevention of peritonitis, *1962:* Dec., 1483
Appendix, anatomy, *1961:* Feb., 95
carcinoma of, *1961:* Aug., 916
lesions, diagnostic problems, *1961:* Aug., 915
Arachnidism, *1963:* April, 549
Arm. See also *Extremity, upper.*
multiple fractures of, *1961:* Oct., 1385
side-swipe injuries of, *1961:* Oct., 1386
Arm-trunk mechanism, surgical anatomy and function, *1963:* Dec., **1471–1482**
Arrhenoblastoma, amenorrhea and, *1962:* June, 744
Arrhythmias, after cardiovascular surgery, *1961:* April, 312
after open heart surgery, management, *1961:* Oct., 1251
Arterial syndromes, occlusive, case selection and diagnostic methods, *1963:* Oct., **1425–1431**
Arteriography, coronary, *1961:* June, 582
in preparation for limb salvage angioplasty, *1963:* Feb., 297
in surgery of abdominal aorta, *1961:* Oct., 1334
Arteriosclerotic occlusive disease, limb salvage angioplasty in, progress of, *1963:* Feb., **295–309**

Arteriotomy, hemorrhage following, *1963:* June, 719
Arteriovenous aneurysm, pulmonary, *1961:* June, **801–806**
fistula, coronary, *1961:* April, 437, 438
pulmonary, diagnosis and surgical treatment, *1961:* April, **523–535**
Artery(ies). See also under specific names.
catheterization, long-term, technical considerations in study or treatment of endocrine system, *1962:* June, **595–602**
cerebral, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1427
emboli, surgical management, *1961:* April, **517–521**
grafts, in femoral occlusion, *1961:* Feb., 251
injuries, diagnosis and indications for operation, *1963:* April, 372
management, *1963:* April, **371–385**
emergency, *1961:* April, **487–496**
mesenteric, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1428
nutrient, of tibia, *1961:* Dec., 1464
occlusive disease, acute, surgical management, *1961:* April, **517–521**
pulmonary, spasm of, drug therapy, *1963:* Feb., 127
puncture, diagnostic, hemorrhage following, *1963:* June, 719
renal, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1429
subclavian-brachial, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1428
Arthralgia, in malignant tumors, *1962:* April, 307, 319
Arthritis, degenerative, as indication for prosthetic replacement of femoral head, *1961:* Dec., 1622
of cervical spine, painful shoulder due to, *1963:* Oct., 1302, Dec., 1704
rheumatoid, as indication for prosthetic replacement of femoral head, *1961:* Dec., 1623
Arthrodesis of shoulder joint, indications and technique, *1963:* Dec., **1599–1607**
Arthrography in rotator cuff rupture, *1963:* Dec., 1526
Arthroplasty, hip. See under *Hip.*
prosthetic. See also *Prosthesis.*
in injuries and diseases of humeral head, *1963:* Dec., **1581–1597**
Articular fractures, surgical reconstruction, *1961:* Feb., **253–257**
Articular surfaces, displaced fractures of, bone necrosis following, *1961:* Dec. 1717
Ascites, portal hypertension with, *1961:* Oct., 1316
Aspiration, needle, in differentiation between cystic and solid breast mass, *1963:* Oct., **1433–1437**
Aspiration (*Continued*)
of joints, principles, *1961:* Dec., 1609
Asthma, carotid sinus denervation for, *1963:* Feb., 291
pulmonary hypertension in, preoperative assessment and management, *1963:* Feb., 126, 128, 129
Atelectasis, in congenital esophageal atresia, *1961:* Oct., 1284
of left lower lobe, as complication of splenectomy, *1962:* Dec., 1518
postoperative, *1963:* June, 871, 873
in lung surgery, *1963:* June, 729
Athletic injuries, acromioclavicular and sternoclavicular joints, *1963:* Dec., **1551–1554**
Atresia, congenital, of esophagus, *1961:* June, 773
management, *1961:* Oct., **1281–1293**
esophageal. See under *Esophagus.*
of uterine cervix, etiology, diagnosis and treatment, *1962:* Aug., **1025–1031**
postcurettage, amenorrhea and, *1962:* June, 741
infertility and, *1962:* June, 754
Atrium, anomalous pulmonary venous return to, surgical repair, *1961:* April, 405
common, surgical repair, *1961:* April, 404
right, shunts into, cardiac catheterization in, *1961:* April, 284
septal defects, diagnosis and surgical treatment, *1961:* April, **397–406**
with cor triatriatum, surgical repair, *1961:* April, 405
Austin Moore femoral head prosthesis, *1961:* Dec., 1619
Autografting, skin, in burns, *1961:* Oct., 1181
Autografts of stomach, *1962:* Oct., 1209–1213
Auto-immunity in ulcerative colitis, *1962:* Oct., 1119
Autotransplants of small bowel, *1962:* Oct., 1193–1199

Bacteria, in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1481, 1482
Bacteriologic preparation for colonic operations, *1962:* Oct., **1277–1284**
Ball valve thrombosis after cardiovascular surgery, *1961:* April, 311
Balloon tamponade, in hemorrhage from gastroesophageal varices, *1961:* Oct., 1310
Bandage, pressure, in leg ulcers due to vascular insufficiency, *1963:* Oct., 1308
Bankart procedure, modified for recurrent anterior dislocation of shoulder, *1963:* Dec., **1663–1670**
Banthine, in acute pancreatitis, *1962:* Dec. 1492, 1493

Barium studies in upper gastrointestinal hemorrhage, *1962:* Oct., 1092
Bartholin's glands, *1962:* Aug., 887
Belching, fecal, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
Biceps tendon, anatomy, *1963:* Dec., 1511
interposition, in shoulder dislocation, *1963:* Dec., 1618
Bicornuate uterus. See *Uterus, bicornuate.*
Bile duct(s). See also *Common duct* and *Hepatic duct.*
carcinoma, diagnosis and surgical treatment, *1961:* Aug., 963–977
exploratory technique, *1961:* Feb., 17
surgery, avoidance of hazards in, *1961:* Feb., **51–70**
Bile peritonitis, *1961:* Feb., 55
Biliary cirrhosis, portal hypertension with, *1961:* Oct., 1320
Biliary disease, diagnosis, serum enzymes in, *1962:* Feb., 254
Biliary dyskinesia, postcholecystectomy, *1961:* Aug., 1003
Biliary fistula, postoperative, *1961:* Feb., 56; *1963:* June, 749
Biliary tract surgery, avoidance of hazards in, *1961:* Feb., **51–70**
cholangiography during, *1961:* Feb., 66
common duct injury in, *1961:* Feb., 55
complications, *1963:* June, **741–754**
for pancreatitis, *1963:* Feb., 203
hepatic artery injury in, *1961:* Feb., 53
sphincterotomy in, *1961:* Feb., 67–70
Billroth I operation for benign gastric ulcer, *1961:* Feb., 28–33
Billroth II operation, for benign gastric ulcer, *1961:* Feb., 33–35
for peptic ulcer, physiologic principles, *1962:* Feb., 190
Bindings, release, in skiing, biomechanics of ankle injuries as related to, *1963:* April, **363–365**
Biopsy, anterior, of cervical spine, *1961:* Dec., 1681
bronchoscopic, in carcinoma of lung, diagnostic potential and hazards, *1961:* Oct., 1237, 1238
complications, *1962:* April, 437
endometrial, in amenorrhea, *1962:* June, 733
in infertility, *1962:* June, 750
excisional, *1962:* April, 436
incisional, *1962:* April, 436
laryngeal, transoral, *1963:* Aug., 1083
liver, a technique of, *1963:* Oct., **1415–1417**
lymph node, in carcinoma of lung, *1963:* Feb., 110
needle, in carcinoma of lung, *1963:* Feb., 111
Biopsy (*Continued*)
needle, of kidney, complications, *1963:* June, 814
problems and techniques, *1962:* April, **435–442**
punch, in carcinoma of cervix, *1961:* Aug., 1027
scalene node, in carcinoma of lung, *1961:* Oct., 1237, 1242
specific applications, *1962:* April, 439
total, in adenomas of colon, importance of, *1962:* Oct., 1078
types and uses, *1962:* April, 435, 436
Bites, *1963:* April, **537–553**
cat, *1963:* April, 540
dog, *1963:* April, 540–544
human, *1963:* April, 537–539
snake, *1963:* April, 544–549
spider, *1963:* April, 549–552
Bittner-mammary tumor agent in mice, *1962:* April, 275
Black widow bite, *1963:* April, 549
Bladder, carcinoma, chemotherapy, *1962:* April, 362
by arterial infusion, *1962:* June, 818, 819
radiation therapy, *1962:* April, 415
care, after hysterectomy, *1961:* Feb., 164
complications, following cordotomy, *1962:* Dec., 1579
dysfunction, postoperative, *1963:* June, 820
in pelvic surgery, *1963:* June, 792
exstrophy, repair of, evaluation of results, *1963:* Feb., **151–161**
operative, *1963:* June, 793, 820
neck, obstruction in adult male, symptoms in, evaluation of, *1962:* June, **765–770**
Blast injury of lungs, *1961:* June, 626
Bleeding. See *Hemorrhage.*
Blood, coagulation defects, postoperative hemorrhage due to, *1963:* June, 721
determinations, in acidosis and alkalosis, *1962:* Feb., 43
disorders, management, preoperative, *1963:* June, 656
electrolytes, normal, *1962:* Feb., 40
flow, altered, and hepatic metastases in cancer, *1962:* April, 340
gases, measurement in postoperative ventilatory failure, *1963:* June, 631
loss, in cardiovascular surgery, *1961:* April, 309
pressure, measuring, *1961:* April, 270
supply, of tibia, *1961:* Dec., **1463–1471**
transfusions. See under *Transfusions.*
vessels, grafts, prosthetic, suturing of, *1961:* Feb., 248
surgery of, technical aids in, *1961:* Feb., **247–251**
suturing, *1961:* Feb., 247
volume, determinations, apparatus for, *1963:* June, 601, 602
clinical applications, *1963:* Feb., 191

Blood (*Continued*)
volume, determinations, dye dilution techniques, *1963:* Feb., 187
importance, in surgical patients, *1963:* Feb., **187–199**
radioisotope methods, *1963:* Feb., 188
expanders, in acute circulatory failure, *1963:* April, 487
loss, assessment and treatment, in shock, *1963:* June, 600
correction, preoperative, *1963:* June, 656
Blood-forming tissues, tumors of, systemic effects, *1962:* April, 317
Bochdalek hernia, *1962:* Oct., 1187
Body surface area, nomograms for computing, *1961:* June, 615
Boeck's sarcoidosis, *1963:* Oct., 1289
Bone(s), absorption, as late complication of endoprosthetic hip surgery, *1961:* Dec., 1637
cavities, infected, obliteration of, in osteomyelitis following fractures of long bones, *1961:* Dec., 1603
changes, in bronchogenic carcinoma, *1962:* April, 307, 319
in hyperparathyroidism, *1961:* Oct., 1202
evaluation in fracture case, *1961:* Dec., 1456
fusion of, requirements for, *1961:* Dec., 1685–1690
grafting, immobilization of mandible for, in edentulous mouth, *1963:* Aug., **991–995**
in nonunion of tibial fractures, *1961:* Dec., 1575
long. See also *Femur, Fibula, Humerus, Radius, Tibia, Ulna.*
blood supply to, *1961:* Dec., 1463
fractures, comminuted, bone necrosis following, *1961:* Dec., 1717
recent, advances in osteomyelitis following, *1961:* Dec., **1593–1605**
malignancies, radiation therapy, *1962:* April, 416
marrow, transplantation, *1963:* Feb., 172
necrotic, transformation to new bone, *1961:* Dec., 1702
plates, for tibial fractures, *1961:* Dec., 1552
screws, for tibial fractures, *1961:* Dec., 1555
tumor(s) of, as indication for prosthetic replacement of femoral head, *1961:* Dec., 1624
frozen section examination, *1962:* April, 451
Bowel. See *Intestine(s).*
Brace, Hessing, in tibial fractures, *1961:* Dec., 1580
Brace management, in complicated fractures of tibia, *1961:* Dec., **1579–1585**
Brachial plexus, anatomy, *1963:* Dec., 1481
lesions, in fractures and dislocations of shoulder, *1963:* Dec., 1687
Brain, damage, in open heart surgery, management, *1961:* Oct., 1251
hemorrhage, in infants and children, *1961:* Oct., 1262
tumors, arterial infusion, chemotherapy, *1962:* April, 380
radiation therapy, *1962:* April, 409
wounds, penetrating, in infants and children, *1961:* Oct., 1267
Branchial-cleft cysts and sinuses, embryologic development and surgical management, *1963:* Aug., **1033–1039**
Breast, biopsy of, *1962:* April, 441
carcinoma, adrenalectomy for, *1962:* April, 501, June, 699, Aug., 866, 868
advanced, treatment, *1962:* April, 499
chemotherapy, *1962:* April, 362, 501, Aug., 870
criteria of operability, *1961:* Feb., 178
hormonal treatment, *1962:* April, 359, 499, June, 697, Aug., 857, 864
hypophysectomy for, *1962:* April, **419–433**, 501, June, 699
hysterectomy in, *1961:* Feb., 155
mastectomy for. See under *Mastectomy.*
metastasis in, *1962:* Aug., 842
metastatic, management, *1962:* Aug., **861–876**
oophorectomy for, *1962:* June, 697, Aug., 866
radiation therapy, *1962:* April, 413, 496, Aug., 854
palliative, *1962:* Aug., 869
plus simple mastectomy, *1962:* Aug., 846, 855, 858
treatment, *1961:* Oct., **1219–1231**; *1962:* April, **493–505**, Aug., **839–876**
frozen section examination, *1962:* April, 449
implants, silicone rubber, *1963:* Oct., 1315
lymphatic drainage, *1962:* Aug., 842
masses, cystic and solid, differentiation by needle aspiration, *1963:* Oct., **1433–1437**
Breathing. See also *Air passages; Respiration.*
capacity, maximal, in evaluation of pulmonary function, *1961:* June, 560
intermittent positive pressure, in postoperative ventilatory failure, *1963:* June, 633
nomogram, *1961:* June, 595
Brizzi needle, for cordotomy, *1962:* Dec., 1576
Broad ligament, varicose veins in, *1962:* Aug., **975–983**
Bromsulphalein test in upper gastrointestinal hemorrhage, *1962:* Oct., 1091

Bronchiectasis, surgical treatment, *1961:* June, 727, 739
Bronchitis, chronic, postoperative infection and, *1963:* June, 871
Bronchodilators, postoperative, *1963:* June, 630
Bronchogenic carcinoma. See *Lung, carcinoma.*
Bronchogenic cysts, *1961:* June, 676
Bronchopleural fistula following lung surgery, *1963:* June, 728
Bronchoscopy in carcinoma of lung, *1963:* Feb., 109
diagnostic potential and hazards, *1961:* Oct., 1237, 1238
Bronchospirometry, *1961:* June, 565
Bronchus, adenoma, *1961:* June, **747–753**
carcinoma, inflammatory disease and, differentiation, *1961:* June, 731
preoperative evaluation of patient, *1961:* June, 554
injuries, *1961:* June, 630
Buffers in acid-base defects, *1963:* June, **577–583**
Burns, care of wound, *1963:* Feb., 233
contractures, management, *1961:* Oct., 1184
débridement in, *1961:* Oct., 1178
emergency care, *1963:* Feb., 230
fluids and electrolytes in, *1962:* Feb., 47
full-thickness, extensive, management of, *1961:* Oct., **1177–1189**
in child, fluid and electrolyte deficits, estimating, *1963:* April, 499
infection in, *1962:* Feb., 83
prevention, *1963:* Feb., 236
late care of, *1963:* April, **507–509**
mass casualty therapy, *1963:* Feb., 229
of neck, scar contractures in, surgical correction, *1961:* Oct., **1169–1176**
physiologic changes in, *1962:* Feb., 81
severe, nutrition in, *1962:* Feb., 87
shock in, treatment, *1963:* Feb., 231
skin grafting in, *1961:* Oct., 1179; *1963:* Feb., 237, April, 508
anesthesia and operating time, *1961:* Oct., 1182
team effort in (burn unit), *1963:* Feb., 229
treatment, hydrotherapy, *1961:* Oct., 1179
recent advances, *1963:* Feb., **229–244**
Bursa, subacromial, *1963:* Dec., 1480
Bursitis, as cause of painful shoulder, *1963:* Oct., 1304
Busulfan in cancer, *1962:* April, 356
Butanol-extractable iodide test of thyroid function, *1962:* June, 645
Bypass, vascular, during operations on thoracic aorta, special considerations in technique, *1961:* June, **807–819**

CACHEXIA in cancer, *1962:* April, 324
Calcification of tendons, *1961:* Dec., 1722
Calcified deposits, in rotator cuff, experimental production of, *1963:* Dec., 1483
natural history and clinical syndromes, *1963:* Dec., **1489–1493**
in shoulder, nonoperative treatment, *1963:* Dec., **1495–1499**
operative treatment, *1963:* Dec., **1501–1504**
results of treatment, *1963:* Dec., **1505–1506**
Calcium, depositions, in mitral stenosis, *1961:* April, 458
metabolism, *1962:* Feb., 172
in acute pancreatitis, *1962:* Feb., 210
Calculus(i), common duct. See *Common duct stones.*
Calories, intravenous administration, *1962:* Oct., 1140
requirements, in gastrointestinal surgery, *1962:* Oct., 1137
Cancer. See *Carcinoma.*
Capsulitis, adhesive, as cause of painful shoulder, *1963:* Oct., 1301, Dec., 1708–1713
Capsulotomy, technique, *1963:* Dec., 1714
Carbohydrates in wound healing, *1962:* Feb., 20
Carcinoid, of gastrointestinal tract, *1962:* April, 315
of liver, malignant, metastatic, right hepatic lobectomy for, *1963:* Feb., 67
of rectum, *1962:* Oct., **1243–1244**
syndrome, malignant, *1962:* April, 315
chemical diagnosis, *1963:* Oct., 1255
clinical features, *1963:* Oct., 1254
resection of massive liver metastases in, *1963:* Oct., **1253–1262**
Carcinoma. See also specific organs.
biopsy in, problems and techniques, *1962:* April, **435–442**
cells, dormant, and hepatic metastases, *1962:* April, 338
chemotherapy, adjuvant to surgery, *1962:* Oct., 1164; *1963:* Feb., **39–48**
agents, dosage and route, and diseases showing favorable response, *1962:* June, 810
by continuous arterial infusion, *1962:* April, **365–388**, June, 815, Oct., 1159; *1963:* Feb., **31–38**
by single dosage intra-arterial injection, *1962:* Oct., 1155
new advances in, *1962:* April, **353–364**
perfusion techniques and problems, *1962:* April, **389–402**, Oct., 1155
regional, *1962:* June, 815
solid tumors, advances in, *1962:* June, **807–822**
systemic, *1962:* June, 808
death in, causes of, *1962:* April, **305–334**

Carcinoma (*Continued*)
development, in short-esophagus hiatal hernia, *1961:* Aug., 866
diagnosis, serum enzymes in, *1962:* Feb., 250
embryonal cell, *1962:* June, 784
epidermoid, of perianus and anal canal, *1962:* Oct., **1235–1241**
frozen section examinations in, *1962:* April, **443–454**
genetics in, *1962:* April, **289–303**
histologic grade, and radiosensitivity, *1962:* Aug., 988, 989
intra-oral. See *Mouth, carcinoma.*
islet cell, ulcerogenic, *1963:* Oct., **1343–1348**
lymph node dissection in, prophylactic, *1963:* Feb., **49–61**
management, current knowledge, symposium on, *1962:* April, **271–558**
metastases, host factors influencing development of, *1962:* April, **335–351**
pelvic, surgery of, special problems in, *1963:* June, 805
pleural effusions in, talc poudrage in treatment, *1962:* Dec., **1521–1526**
treatment by partial pleurectomy, *1963:* Feb., **99–108**
radiation therapy, place in modern management, *1962:* April, **403–417**
surgery of, chemotherapy adjuvant to, *1962:* Oct., 1164; *1963:* Feb., **39–48**
systemic effects, *1962:* April, **305–334**
treatment, overall end results, *1962:* June, 808
viruses and, *1962:* April, **273–287**
pertinence in humans, *1962:* April, 278
wound healing and, *1962:* Feb., 28
Cardia, carcinoma, diagnosis and treatment, *1961:* Aug., **897–905**
esophagus and, carcinoma of, surgical treatment, *1962:* Dec., 1397–1405
Cardiac. See also *Heart.*
Cardiac arrest, causes, *1961:* April, 315
diagnosis, *1961:* April, 316
in heart surgery, *1963:* June, 734
management, *1961:* April, **315–321**; *1963:* June, **703–714**
Cardiac catheterization, anesthesia for, *1961:* April, 329
in aortic stenosis, *1961:* April, 467
in preoperative diagnosis and evaluation of heart disease, *1961:* April, **273–290**
Cardiac complications after chest surgery, management, *1961:* June, 612
Cardiac tamponade, management, *1961:* April, 493
Cardiology, diagnosis in, general considerations, *1961:* April, **267–272**
Cardiopulmonary function, evaluation, before thoracic surgery, *1961:* June, 553
Cardiospasm, endoscopic management, *1961:* June, 796
Cardiovascular anomalies, unusual, surgical management, *1961:* April, **417–431**
Cardiovascular injuries, emergency management, *1961:* April, **487–496**
Cardiovascular surgery, anesthesia for, *1961:* April, **327–337**
anticoagulants in, pre- and postoperative, *1961:* April, **323–326**
arterial hypotension, circulatory collapse and shock after, causes and treatment, *1961:* April, **309–313**
cardiac catheterization in, *1961:* April, **273–290**
closed methods, *1961:* April, **339–348**
intravenous angiocardiography in, *1961:* April, **291–299**
open, basic requirements, *1961:* April, **349–358**
pulmonary hypertension and, *1962:* Feb., **131–140**
selective retrograde aortography in, *1961:* April, **301–308**
symposium on, *1961:* April, **265–535**
Cardiovascular system, evaluation in fracture case, *1961:* Dec., 1454
thoracic, injuries to, *1961:* June, 631
Carditis, rheumatic, after cardiovascular surgery, *1961:* April, 313
Carotid artery(ies), aneurysms of, *1963:* Aug., 1152
buckling, *1963:* Feb., 286
cervical, occlusions and aneurysms, *1963:* Aug., **1145–1155**
results of treatment, *1963:* Aug., 1149
technique of endarterectomy, *1963:* Aug., 1147
common, occlusions, *1963:* Feb., 284
embolus, *1963:* Feb., 287
extracranial, aneurysm, *1963:* Feb., 289
occlusive disease, *1963:* Feb., 278
surgery of, current concepts, *1963:* Feb., **277–294**
internal, occlusion, *1963:* Feb., 279, 281
left, anomalies, compression syndrome from, *1961:* June, 830
management, in radical neck dissection, *1961:* Feb., 195
occlusive lesions of, *1963:* Aug., **1145–1155**
Carotid body, embryology, anatomy and function, *1963:* Aug., 1135
tumors, *1961:* Aug., 1072; *1963:* Feb., 288, Aug., **1135–1144**, Oct., 1290
Carotid endarterectomy, anesthesia for, *1963:* Aug., 941
technique, *1963:* Aug., 1147
Carotid sinus, surgery of, *1963:* Feb., 290
Cartilage, articular, overlying necrotic bone, changes in, *1961:* Dec., 1703
Castration, in carcinoma of breast, *1961:* Oct., 1225; *1962:* June, 697, Aug., 866
Casualties, mass threat of, *1963:* April, 330

Cat bites, *1963:* April, 540
Catheter, Foley, cecostomy, value in conjunction with resection of left colon and rectosigmoid, *1962:* Dec., **1475–1479**
for intestinal decompression, *1962:* Feb., 231, 232
radiopaque, in diagnosis of esophageal atresia, *1962:* Dec., 1388
Catheter localization in angiography, fluoroscopic image amplifier in, *1961:* June, 583
Catheterization, arterial, long-term, technical considerations in study or treatment of endocrine system, *1962:* June, **595–602**
cardiac. See *Cardiac catheterization.*
Cauterization of cervical os, stricture following, *1962:* Aug., 1026
Cecostomy, *1961:* Feb., 135
complications, *1963:* June, 783
Foley catheter, value in conjunction with resection of left colon and rectosigmoid, *1962:* Dec., **1475–1479**
technique, *1961:* Feb., 137
tube, for intestinal decompression, *1962:* Feb., 237
Cecum, benign ulcer, in Hawaii, *1963:* Oct., 1408
carcinoma of, *1961:* Aug., 916
lesions, diagnostic problems, *1961:* Aug., 915
tuberculosis, in Hawaii, *1963:* Oct., 1409
Cellulitis, pelvic, postoperative, *1963:* June, 809
Cerebral angiography, alphaprodine in, *1963:* Oct., 1236
Cerebrovascular accident, treatment, *1961:* Feb., 38
Cerebrovascular disease, ischemic, categories of, *1963:* Aug., 1146
Cervical rib, *1963:* Dec., 1481
cervicobrachial pain due to, *1963:* Dec., 1705
Cervical spine. See *Spine, cervical.*
Cervicobrachial pain, *1963:* Dec., **1679–1684, 1691–1695, 1697–1701, 1703–1714.** See also *Pain, cervicobrachial* and *Shoulder, painful*
Cervicomediastinotomy, technique, *1961:* June, 659
Cervix uteri, absence of, *1962:* June, 739
atresia, etiology, diagnosis and treatment, *1962:* Aug., **1025–1031**
malignancy and, *1962:* Aug., 1028
postcurettage amenorrhea and, *1962:* June, 741
infertility and, *1962:* June, 754
carcinoma, cervical stenosis and, *1962:* Aug., 1028
chemotherapy by arterial infusion, *1962:* June, 817
clinical staging, *1962:* April, 532
cold knife conization in, technique, *1961:* Aug., 1027
Cervix uteri (*Continued*)
carcinoma, combined radiation and surgery, *1962:* April, 535
cytodetection, *1961:* Aug., 1025
hysterectomy for, *1961:* Feb., 154
in pregnancy, *1962:* April, 536
in situ, *1961:* Aug., 1028
invasive, diagnosis, *1961:* Aug., 1028
of stump, *1962:* April, 536
positive Papanicolaou smear in, management of patient with, *1961:* Aug., **1025–1031**
punch biopsy in, *1961:* Aug., 1027
radiation therapy, *1962:* April, 414
radiosensitivity of, *1962:* Aug., **985–1004**
testing procedures, *1962:* Aug., 987
recurrent, occult, difficulties in diagnosis, *1961:* Aug., **1015–1023**
or radioresistant, *1962:* April, 537
surgical treatment, *1962:* April, 531–538
incompetent os, external scarification procedure for, experiences with, *1962:* Aug., **955–959**
infertility and, *1962:* June, 754
Cesarean section, complications of, hysterectomy in, *1962:* Aug., 934
Charnley method of compression in fractures of long bones, *1961:* Dec., 1595
Checkrein shoulder. See *Frozen shoulder.*
Chemodectoma, *1961:* Aug., 1072
parapharyngeal, *1963:* Aug., 1044
Chemotherapy, of cancer, adjuvant to surgery, *1962:* Oct., 1164; *1963:* Feb., **39–48**
advances in, *1962:* April, **353–364**
by continuous arterial infusion, *1962:* April, 365, June, 815, Oct., 1159; *1963:* Feb., **31–38**
by single dosage, intra-arterial injection, *1962:* Oct., 1155
of alimentary tract, *1962:* Oct., **1147–1170**
of breast, *1961:* Oct., 1225; *1962:* April, 362, 501, Aug., 870
of colon, *1962:* Oct., 1230
of lung, adjuvant to surgery, *1963:* Feb., 120
perfusion techniques and problems, *1962:* April, **389–402**, June, 815, Oct., 1155
in head and neck, *1962:* April, 474
solid tumors, advances in, *1962:* June, **807–822**
of malignant melanoma, by regional perfusion, *1962:* April, 464
systemic, *1962:* April, 463
of osteomyelitis following fractures of long bones, *1961:* Dec., 1602, 1604

Cherney incision, *1962:* Aug., 1038
Chest, crushed (stove-in), *1961:* June, 620, 625
diseases of, diagnosis by thoracotomy, *1963:* Oct., **1293–1297**
extension of subdiaphragmatic disease into, *1961:* June, **847–852**
injuries, *1961:* June, **619–639**
pain in, intractable, management, *1961:* Oct., 1163
sucking wound, *1961:* June, 620
surgery, alphaprodine in, *1963:* Oct., 1233
anesthesia for, *1961:* June, **591–602**
clinical evaluation of patient for, *1961:* June, **545–556**
diagnostic radiology as related to, *1961:* June, **573–590**
position of patient, *1961:* June, 593, 594
after operation, *1961:* June, 606
postoperative management, in infants and children, *1961:* June, 613
principles, *1961:* June, **603–617**
preoperative preparation in, *1961:* June, 591, 592
pulmonary function testing in, *1961:* June, **557–569**
symposium on, *1961:* June, **545–852**
wall, biopsy, *1962:* April, 441
carcinoma, *1961:* June, 651
deformities and defects, *1961:* June, **641–644**
injuries, *1961:* June, 620
tumors, *1961:* June, **645–653**
surgical management, *1961:* June, 647
Chief-cell hyperplasia, in hyperparathyroidism, *1963:* Aug., 1119
Children, fractures of tibia in, *1961:* Dec., 1567
head injuries in, *1961:* Oct., **1253–1269**
inguinal hernias in, *1963:* Oct., **1393–1396**
injured, parenteral fluid therapy in, *1963:* April, **497–505**
malignant transformation of benign laryngeal papillomas after radiation therapy, *1963:* Aug., **1049–1061**
postoperative management, in chest surgery, *1961:* June, 613
surgical complications in, *1963:* June, **685–702**
tracheotomy in, *1961:* Feb., 210
tumors of abdomen in, problems in management, *1961:* Oct., **1295–1305**
Chin, augmentation with silicone rubber, *1963:* Oct., 1318
Chlorambucil in cancer therapy, *1962:* April, 356, June, 810, 814
Chloroform anesthesia, *1963:* June, 647
Cholangiography, operative, hazards and safeguards, *1961:* Feb., 66
Cholangiojejunostomy, intrahepatic, for common duct structure, *1962:* Oct., 1335
Cholangitis, following gallstone surgery, *1963:* June, 751
postcholecystectomy, *1961:* Aug., 1002
Cholecystectomy, avoidance of hazards in, *1961:* Feb., **51–70**
for pancreatitis, *1963:* Feb., 203
persistent or recurrent symptoms after, *1961:* Aug., **995–1005**
technique, *1961:* Feb., 57–60
Cholecystitis, perforation of alimentary tract due to, prevention of peritonitis, *1962:* Dec., 1483
Choledochoduodenostomy, in common duct stricture, *1962:* Oct., 1333
Choledocholithiasis, choledochostomy in, *1961:* Feb., 60–66
operative cholangiography in, *1961:* Feb., 66
Choledochostomy, acute ulcerative pancreatitis with massive hemorrhage following, *1961:* Aug., **991–994**
avoidance of hazards in, *1961:* Feb., **51–70**
for pancreatitis, *1963:* Feb., 203
technique, *1961:* Feb., 60–66
Chondrosarcoma of chest wall, *1961:* June, 647, 648, 650
Chordotomy, cervical, high, for intractable pain in upper extremities and chest, *1961:* Oct., 1163
complications, *1962:* Dec., 1579
indications for, *1962:* Dec., 1578
technique, refinements in, *1962:* Dec., **1575–1582**
dorsal, for intractable pain below costal margins, *1961:* Oct., 1161
Choriocarcinoma, *1962:* June, 783
Chromosomes, study of, *1662:* April, 296
Chvostek test, *1962:* Feb., 175
Cineradiography, *1961:* June, 586
in diagnosis of esophageal achalasia, *1962:* Dec., 1408
Cingulotomy, in control of craniofacial pain, *1963:* Aug., 959
Circulation, maintaining, during chest surgery, *1961:* June, 597
Circulatory collapse, after cardiovascular surgery, causes and treatment, *1961:* April, **309–313**
Circulatory failure, acute, in trauma, management, *1963:* April, **469–495**
physiologic considerations, *1963:* April, 471
after open heart surgery, management, *1961:* Oct., 1249
Circulatory system, functional composition of, *1963:* April, 471
in surgery, symposium on, *1961:* April, **265–535**
Cirrhosis, and hepatic metastases in cancer, *1962:* April, 340
biliary, portal hypertension with, *1961:* Oct., 1320
hepatic. See *Liver, cirrhosis of.*
Clavicle, fractures, complications, *1963:* Dec., 1560

Clavicle (*Continued*)
fractures, disability evaluation, *1963:* Dec., 1725
treatment, *1963:* Dec., **1555–1563**
surgical anatomy and function, *1963:* Dec., 1471
Coagulation, defects, in malignant tumors, *1962:* April, 319, 320
postoperative hemorrhage due to, *1963:* June, 721
Coarctation of aorta. See under *Aorta.*
Cold, injuries due to, in civilian medical practice, *1963:* April, **519–536**
Colectomy. See *Colon, resection.*
Colitis, ulcerative, chronic, diagnostic problems, *1961:* Aug., 923
one-stage total colectomy with combined abdominoperineal resection of rectum in, technique, *1961:* Feb., **123–133**
immunologic considerations, *1962:* Oct., **1115–1123**
in Hawaii, *1963:* Oct., 1404
surgical aspects, analysis of 88 cases, *1962:* Oct., **1245–1256**
Colon, adenoma, logic or fantasy, *1962:* Oct., **1077–1080**
relation to cancer, *1962:* Oct., 1078
as material for replacement of cervical esophagus, *1963:* Aug., 1177, 1178, 1179
biopsy of, *1962:* April, 440
blood supply, *1962:* Oct., 1223
carcinoma, *1962:* April, **519–530**
chemotherapy, *1962:* April, 363, Oct., 1152, 1230
local measures, *1962:* Oct., 1152
regional methods, *1962:* Oct., 1155
systemic, *1962:* Oct., 1161
descending, sigmoid and rectosigmoid, left hemicolectomy for, technique, *1961:* Feb., **105–113**
diagnosis, *1962:* Oct., 1219
recurrent vs. new, diagnosis, *1961:* Aug., 924
relation of polyps to, *1962:* Dec., 1451
roentgen treatment, preoperative, *1962:* Oct., 1228
surgical treatment, choice of operation, *1962:* Oct., 1222
current considerations, *1962:* Oct., **1219–1234**
palliative, *1962:* Oct., 1226
systemic effects, *1962:* April, 316
treatment, new concepts in, *1962:* Oct., 1228
closure, primary, with and without colostomy, in trauma, *1963:* April, 459, 460
diverticulitis, one-stage resection in, indications, *1962:* Oct., 1268
rectal bleeding in, *1962:* Oct., 1272
surgical treatment, current trends, *1962:* Oct., **1267–1276**
with perforation, management, *1962:* Oct., 1273
Colon (*Continued*)
diverticulitis, with vesicosigmoidal fistula, problems in, *1961:* Aug., 932
exploratory techniques, *1961:* Feb., 20
fistula from, *1962:* Oct., 1319
treatment, *1962:* Oct., 1317
injuries, at splenectomy, *1962:* Dec., 1518
management of, *1963:* April, **457–467**
left, anatomy, *1961:* Feb., 105
carcinoma, hemicolectomy for, technique, *1961:* Feb., **105–113**
rectosigmoid and, resection of, value of Foley catheter cecostomy, *1962:* Dec., **1475–1479**
lesions, diagnostic problems, *1961:* Aug., **915–927**
malignant lesions, in Hawaii, *1963:* Oct., 1397
obstruction, postoperative, *1963:* June, 844
perforation, peritonitis due to, management, *1962:* Oct., 1110
polyps, cancer and, *1962:* Oct., 1078, 1219
logic or fantasy, *1962:* Oct., **1077–1080**
resection, for carcinoma, areas of, *1962:* Oct., 1223
extended operations, *1962:* Oct., 1226
precautionary measures, *1962:* April, 524
preoperative preparation, *1962:* April, 523
problem of local seeding, *1962:* Oct., 1225
for diverticulitis, one-stage, *1962:* Oct., 1268
optimal length to be resected, *1962:* Oct., 1269
partial, for carcinoma of left colon, technique, *1961:* Feb., **105–113**
segmental, complications, *1963:* June, 783
total, with combined abdominoperineal resection of rectum, one-stage procedure, *1961:* Feb., **123–133**
with colostomy and with end-to-end anastomosis, in trauma, *1963:* April, 460
right, resection, side-to-side ileotransverse colostomy after, *1961:* Feb., **91–93**
rupture of, peritonitis due to, *1962:* Oct., 1102
surgery of, bacteriologic preparation, *1962:* Oct., **1277–1284**
complications, *1963:* June, **775–788**
for nonmalignant lesions, difficult problems in, *1961:* Aug., **929–933**
surgical lesions, in Hawaii, *1963:* Oct., **1397–1414**
transplant, for reconstruction of cervical esophagus, *1963:* Feb., **3–10**

Colon (*Continued*)
transplant, of thoracic esophagus, *1963:* Feb., **11–30**
in congenital atresia of esophagus, *1961:* Oct., 1289
Colostomy, *1961:* Feb., **135–142**
closure, technique, *1963:* April, 464
complications, *1963:* June, 683
ileotransverse, complications, *1963:* June, 784
in colon injuries, *1963:* April, 460
locations, preferred, *1963:* April, 462
loop, technique, *1963:* April, 462, 463
transverse, for intestinal decompression, *1962:* Feb., 237
Colpocleisis, LeFort, modified, for uterine prolapse, *1962:* Aug., 1034
Colpotomy, in amenorrhea, *1962:* June, 735
Coma, hepatic, prevention in cirrhotic patient, *1962:* Dec., 1505
Commissurotomy, mitral, *1961:* April, **445–462**
Common duct, carcinoma, diagnosis and surgical management, *1961:* Aug., 964, 972
drainage, in biliary tract surgery, *1961:* Feb., **61, 62, 64**
prior to pancreaticoduodenectomy, *1962:* Oct., 1359
injuries, operative, *1961:* Feb., 55; *1963:* June, 745
stones, choledochostomy for, *1961:* Feb., **60–66**
postcholecystectomy, *1961:* Aug., 997
residual, *1963:* June, 752
stricture, etiology, prevention and surgical treatment, *1962:* Oct., **1329–1337**
postcholecystectomy, *1961:* Aug., 998
Communicating artery, anterior, aneurysms of, results of surgical treatment, *1962:* June, **793–805**
Compatability, tissue, *1962:* Feb., 57
Compliance, decreased, of thorax and lungs, *1961:* June, 566
Complications of surgery, and their treatment, symposium on, *1963:* June, **575–904**
in infants and children, *1963:* June, **685–702**
Compression syndromes, vascular, *1961:* June, **821–834**
Conization of cervix, cold knife, technique, *1961:* Aug., 1027
stricture following, *1962:* Aug., 1026
Conjoint longitudinal muscle of anorectum, *1962:* Aug., 892
Contractures, burn, management, *1961:* Oct., 1184
scar, of neck in burns, surgical correction, *1961:* Oct., **1169–1176**
Cooper, Sir Astley, *1963:* April, 319, 320
Cor pulmonale, pulmonary hypertension in, preoperative assessment and management, *1963:* Feb., 126, 128, 129
Cor triatriatum, *1961:* April, 424
with atrial septal defect, surgical repair, *1961:* April, 405
Cordotomy. See *Chordotomy*.
Coraco-acromial arch, anatomy, *1963:* Dec., 1508, 1509
Coracoid process, fractures, *1963:* Dec., 1568
Coronary arteriography, *1961:* June, 582
Coronary arteriovenous fistula, *1961:* April, 437, 438
Coronary artery disease, surgical treatment, *1961:* April, **481–496**
Corpus uteri, carcinoma, *1962:* April, 538–542
Corrosion of metal implants, *1961:* Dec., 1633, **1645–1653**
Corticosteroids, effects on wound healing, *1962:* Feb., 25
gastric secretion and, *1962:* Feb., 195
in carcinoma of breast, *1962:* Aug., 865
in frozen shoulder, indications, *1963:* Dec., **1715–1720**
treatment with, management of surgical patient after, *1962:* June, **589–593**
Cortisone, and hepatic metastases in cancer, *1962:* April, 344
following hypophysectomy, *1962:* Dec., 1571
in bacterial peritonits, *1962:* Oct., 1110
induction of peptic ulcer by, *1962:* Feb., 196
test, for hyperparathyroidism, *1961:* Oct., 1206
Corticotropin in calcified deposits in shoulder, *1963:* Dec., 1496
Costal margins, intractable pain below, management, *1961:* Oct., 1160
Cough, rib fracture due to, in pregnancy, *1962:* Aug., 912
Craniotomy, alphaprodine in, *1963:* Oct., 1237
methods of improving morbidity and mortality rates, *1962:* Dec., **1567–1573**
Culdoscopy, in amenorrhea, *1962:* June, 734
in androgenism in female, *1962:* Aug., 969
in infertility, *1962:* June, 753
Curettage, of cervical spine, by anterior approach, *1961:* Dec., 1681
of uterus, amenorrhea following, *1962:* June, 741
in endometrial polyps, *1962:* Aug., 1017
infertility following, *1962:* June, 754
paracervical block for, *1962:* Aug., 930
stricture following, *1962:* Aug., 1026
Cushing's syndrome, diagnosis and treatment, *1962:* April, 554, June, 582, 584

Cushing's syndrome (*Continued*)
hypertension in, surgical physiology, *1962:* Feb., 98
virilism in women in, *1962:* Aug., 964, 966
Cyclophosphamide in cancer therapy, *1962:* April, 357, June, 810, Aug., 870
Cyclopropane anesthesia, *1963:* June, 643
Cylindroma of parotid gland, *1961:* Aug., 1050
Cyst(s), branchial, *1963:* Oct., 1290
branchial-cleft, embryologic development and surgical management, *1963:* Aug., **1033–1039**
bronchogenic, *1961:* June, 676
choledochal, in infancy and childhood, *1961:* Oct., 1304
enteric, *1961:* June, 676
esophageal, *1961:* June, 787
extrapulmonary, *1961:* June, 675
of head and neck, *1963:* Oct., **1283–1292**
of pancreas, surgery of, for pancreatitis, *1963:* Feb., 204
of vocal cords, transoral approach, *1963:* Aug., 1085
ovarian, in endometriosis, *1961:* Aug., 1011
infertility due to, treatment, *1962:* June, 761
problems in surgical management, *1961:* Oct., **1389–1399**
thyroglossal duct, *1963:* Aug., **1023–1032**, Oct., 1290
Cystic artery, identification, at operation, *1961:* Feb., 54
Cystic duct, exploration, at cholecystectomy, *1961:* Feb., 58
stump, postcholecystectomy, *1961:* Aug., 1001
Cystic hygroma. See *Hygroma.*
Cytoxan, in cancer, *1962:* April, 357, June, 810
of breast, *1962:* Aug., 870

Davis mouth gag in tonsillectomy, *1961:* Feb., 216, 217
Deafness, otosclerotic, surgery for, *1963:* Oct., **1203–1215**. See also *Otosclerosis.*
Débridement, in burns, *1961:* Oct., 1178; *1963:* Feb., 234, April, 507
in osteomyelitis following fractures of long bones, *1961:* Dec., 1598
Decompression, by Foley catheter cecostomy, in resection of left colon and rectosigmoid, *1962:* Dec., **1475–1479**
gastrointestinal, in reconstructive and biliary surgery, *1962:* Feb., **231–239**
portal, elective, in portal hypertension, *1961:* Oct., 1311
emergent, in portal hypertension, *1961:* Oct., 1313
postoperative, tube gastrostomy for, *1963:* Oct., **1243–1252**
surgical, in metastatic tumors of spinal canal, *1963:* Oct., 1353
Decubitus ulcers, treatment, recent advances, *1963:* Feb., **245–260**
Defibrillation, electrical, in cardiac arrest, *1963:* June, 710
Degranol, in cancer, *1962:* April, 356
Dehiscence, wound, *1962:* Feb., 23, Aug., 1042
Dehydration, *1962:* Feb., 37
after cardiovascular surgery, *1961:* April, 312
correction, preoperative, *1963:* June, 652
in injured child, fluid and electrolyte losses, estimating, *1963:* April, 501
Delalutin, in cancer, *1962:* June, 810, 814
Dermatomyositis, in malignant tumors, *1962:* April, 319
Dermoids, extrapulmonary, *1961:* June, 675
Dextran, kinds of, *1963:* June, 588
low viscous, pharmacology, uses and hazards, *1963:* June, **588–593**
Diabetes mellitus, management, preoperative, *1963:* June, 661
Diagnosis, in cardiology, general considerations, *1961:* April, **267–272**
in surgery, difficult problems, symposium on, *1961:* Aug., **865–1126**
Dialysis, in acute tubular necrosis, *1963:* April, 556, 561, 565
in renal failure, *1961:* Oct., 1417
peritoneal, complications, *1963:* June, 893
in acute renal failure, *1963:* June, **883–896**
technique, *1963:* June, 885
Diaphragm, hernia, gastrointestinal manifestations, *1962:* Oct., **1181–1189**
surgical complications, in children, *1963:* June, 691
through foramen of Morgagni, *1961:* June, **839–846**
traumatic, *1962:* Oct., 1186
injuries, *1961:* June, 634
urogenital, anatomy of, in female, *1962:* Aug., 888
in male, *1962:* Aug., 884
Diarrhea, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
in islet cell tumors of pancreas, *1962:* April., 313
Didée projection in recurrent dislocation of shoulder, *1963:* Dec., 1640
Diet, effect on hepatic metastases in cancer, *1962:* April, 342
Diethylether anesthesia, *1963:* June, 645
Disability evaluation about shoulder, *1963:* Dec., **1721–1726**
Diseases, surgical, applied physiology in, symposium on, *1962:* Feb., **1–265**
Dislocations, aseptic necrosis following, *1961:* Dec., **1701–1720**
atlanto-axial, *1961:* Oct., 1364
of cervical spine, *1961:* Oct., **1357–1366**
advantages of internal stabilization, *1961:* Dec., 1662
etiology, *1961:* Oct., 1358

Dislocations (*Continued*)
of cervical spine, treatment, *1961:* Oct., 1360, Dec., 1666
of hip, congenital, as indication for prosthetic replacement of femoral head, *1961:* Dec., 1623
traumatic, bone necrosis following, *1961:* Dec., 1709
of shoulder, anterior, prognosis and treatment, *1963:* Dec., **1609–1614**
recurrent, basic lesions of, *1963:* Dec., **1631–1634**
Gallie technique for repair, *1963:* Dec., **1655–1662**
intra-articular fracture in, *1963:* Dec., **1635–1645**
modified Bankart procedure for, *1963:* Dec., **1663–1670**
modified Magnuson procedure for, indications and technique, *1963:* Dec., **1647–1649**
results following, *1963:* Dec., **1651–1653**
operative treatment, results, *1963:* Dec., **1667–1670**
nerve injuries in, treatment, *1963:* Dec., **1685–1689**
posterior, *1961:* Dec., **1655–1659**
diagnosis and treatment, *1963:* Dec., **1623–1630**
locked, diagnosis and treatment, *1963:* Dec., **1621–1622**
recurrent, *1963:* Dec., 1627
unreduced, old, treatment, *1963:* Dec., **1671–1678**
with tuberosity fracture, *1963:* Dec., **1615–1620**
popliteal artery injuries in, *1961:* Aug., **1087–1098**
Diuresis, osmotic mannitol to induce, *1963:* June, 583
Diuretics in acute circulatory failure, *1963:* April, 489
Diverticulitis, in Hawaii, *1963:* Oct., 1400
of colon, diagnosis, *1961:* Aug., 918, 920
rectal bleeding in, *1962:* Oct., 1272
resection in, one-stage, indications for, *1962:* Oct., 1268
optimal length of bowel, *1962:* Oct., 1269
surgical treatment, current trends, *1962:* Oct., **1267–1276**
with perforation, management, *1962:* Oct., 1273
with vesicosigmoidal fistula, problems in, *1961:* Aug., 932
Diverticulum(a), of cecum, diagnosis, *1961:* Aug., 917
of esophagus, *1961:* June, **769–772**
epiphrenic, aspiration pneumonitis due to, *1961:* Aug., 867
pharyngo-esophageal, *1963:* Aug., **1165–1169**
Divinyl ether anesthesia, *1963:* June, 646
Dog bites, *1963:* April, 540–544
Drainage, in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1486
intercostal, in "spontaneous" pneumothorax, *1961:* June, 712
in staphylococcal empyema, *1961:* June, 702–706
intrapleural, after thoracic operation, *1961:* June, 608
suction, intracavitary, of pneumatoceles, *1961:* June, 706
Draping, in surgery of abdominal aorta, *1961:* Oct., 1333
Dressings, thoracotomy, *1961:* June, 607
Drugs, dosage, in infants and children, *1961:* June, 614
Ductus arteriosus, patent, *1961:* April, 433, 434
cardiac catheterization in, *1961:* April, 286
surgery of, anesthesia for, *1961:* April, 331
surgical management, *1961:* April, **369–376**
closed technique, *1961:* April, 339
Dumping syndrome, *1962:* Dec., 1428
newer concepts, *1963:* Feb., 272
Duodenum, exploratory technique, *1961:* Feb., 17, 18
fistula from, *1962:* Oct., 1318
treatment, *1962:* Oct., 1316
lesions, diagnosis with fiberscope, *1962:* Oct., 1085
rupture of, retroperitoneal, due to nonpenetrating trauma, *1963:* April, **413–431**
stump, closure, protection of, *1961:* Oct., **1323–1329**
complications causing mortality in subtotal gastrectomy for ulcer, *1962:* Dec., 1425
leakage from, abscess due to, *1963:* June, 767
surgery of, in aged, current concepts, *1963:* Feb., **261–275**
ulcer, gastrectomy for, subtotal, *1962:* Dec., **1419–1429**
hemorrhage from, intragastric cooling in, *1962:* Oct., 1175
perforated, surgical management, *1961:* Feb., 38
physiology of gastric secretion as it applies to, *1962:* Feb., **185–201**
Duplications of alimentary tract, *1963:* June, 697
Dye dilution techniques for blood volume determinations, *1963:* Feb., 187
Dysgerminoma of ovary, amenorrhea and, *1962:* June, 745
Dyskinesia, biliary, postcholecystectomy, *1961:* Aug., 1003
Dysphagia, due to stenosis of esophagus, endoscopic management, *1961:* June, **795–799**

Dysphagia lusoria, *1961:* June, 822
Dyspnea, postoperative, *1963:* June, 629

EAR, deep pain in, intractable, management, *1961:* Oct., 1164
reconstruction of, an exercise in design, *1963:* Oct., **1271–1276**
Ectopia, neoplasia, *1962:* April, 296
Edema, *1962:* Feb., 36
cerebral, in craniotomy, *1962:* Dec., 1568
of lower extremities, pressure and posture in control of, physiologic principles, *1962:* Feb., **141–149**
pulmonary, after lung surgery, *1963:* June, 731
Efferent loop obstruction, *1963:* June, 844
Einhorn string test in upper gastrointestinal hemorrhage, *1962:* Oct., 1094
Elbow, fractures of, *1961:* Oct., 1385
manipulation of, *1961:* Dec., 1615
side-swipe injuries of, *1961:* Oct., 1386
Electrocardiography, in diagnosis, of heart disease, *1961:* April, 270
Electrolyte(s), deficits, correction, preoperative, *1963:* June, 652
imbalance, problems in, and their management, *1962:* Feb., **35–54**
in saliva, in renal failure, *1963:* April, 559
losses, through pancreatic fistula, *1962:* Feb., 208
normal, in blood and urine, *1962:* Feb., 39, 40
requirements, in chemical peritonitis, *1962:* Oct., 1106
in gastrointestinal surgery, *1962:* Oct., 1135
in injured child, *1963:* April, 501, 502, 503
in postoperative intestinal obstruction, *1963:* June, 851
in surgery of children, *1963:* April, 498, June, 686
serum, normal values, *1963:* April, 502
Embolism, air, in head and neck surgery, *1963:* Aug., 933
arterial, following heart surgery, *1963:* June, 737
carotid artery, *1963:* Feb., 287
posthysterectomy, *1961:* Feb., 165
pulmonary, diagnosis, *1961:* Oct., 1345
postoperative, *1963:* June, **827–838**
specific and nonspecific therapy, *1961:* Oct., 1352
Emphysema, cervical, secondary to head or neck injury, *1963:* Aug., 922
cutaneous, after lung surgery, *1963:* June, 732
postoperative, *1963:* June, 871
Empyema, diagnosis, *1961:* June, 682
etiology, *1961:* June, 684, 685
fluid, organisms isolated from, *1961:* June, 685
following lung surgery, *1963:* June, 731
Empyema (*Continued*)
in staphylococcal pneumonia, treatment, *1961:* June, 701, 706
intercostal drainage, technique, *1961:* June, 702–706
nontuberculous, management, *1961:* June, **681–693**
Endarterectomy, at iliac bifurcation, *1961:* Feb., 250
carotid, anesthesia for, *1963:* Aug., 941
technique, *1963:* Aug., 1147
hemorrhage following, *1963:* June, 718
in femoral obstruction, *1961:* Feb., 251
in limb salvage angioplasty, *1963:* Feb., 299
Endocrine factors in ulcer surgery, *1962:* Feb., 194
Endocrine glands, surgical diseases, clinical investigation, *1962:* June, **579–587**
landmarks in history of, *1962:* June, **569–577**
surgery of, symposium on, *1962:* June, **567–822**
Endocrine interrelations, *1962:* June, 579
Endocrine therapy, of cancer, *1962:* April, 359
of breast, *1961:* Oct., 1225; *1962:* April, 499, June, **697–699**, Aug., 857, 864
Endometrial biopsy, in amenorrhea, *1962:* June, 733
in infertility, *1962:* June, 750
Endometrioma, of cecum, *1961:* Aug., 917
of ovary, *1961:* Aug., 1011
Endometriosis, diagnosis and surgical treatment, difficulties in, *1961:* Aug., 1007
hysterectomy for, *1961:* Feb., 154
involvement of rectum and lower sigmoid, *1963:* Oct., 1406
Endrometrium, carcinoma, cervical stenosis and, *1962:* Aug., 1028
polyps and, *1962:* Aug., 1019
frozen section examination, *1962:* April, 452
clinical aspects, *1962:* Aug., **1013–1023**
Endoprosthetic devices, in hip surgery, late complications, *1961:* Dec., **1633–1643**
Endoscopy, alphaprodine in, *1963:* Oct., 1239
biopsy at, *1962:* April, 440
gastroduodenal, with fiberscope, analysis of 500 examinations, *1962:* Oct., **1081–1090**
in upper gastrointestinal hemorrhage, *1962:* Oct., 1092
Endotracheal intubation, in head and neck surgery, *1963:* Aug., 934, 935, 941
in postoperative ventilatory failure *1963:* June, 632
Endoxan, in cancer, *1962:* April, 357
English airway in head and neck surgery, *1963:* Aug., 935, 936

Enteric cysts, *1961:* June, 676
Enteritis, regional, in Hawaii, *1963:* Oct., 1405
pathogenesis, pathology, diagnosis and treatment, *1962:* Oct., **1257–1266**
without hypoalbuminemia, *1962:* Oct., 1129
Entercolitis, postoperative, *1963:* June, 778, 875
pseudomembranous, as cause of mortality in subtotal gastrectomy for ulcer, *1962:* Dec., 1424
Enteropathy, protein-losing, idiopathic, *1962:* Oct., 1130
Enterostomy, Mikulicz, for meconium ileus, *1963:* June, 694, 695
Enzymes, pancreatic, *1962:* Feb., 203
loss through fistula, *1962:* Feb., 208
serum, in acute abdomen, *1962:* Feb., 261
in carcinoma, *1962:* Feb., 250
of pancreas, *1962:* Feb., 253
of prostate, *1962:* Feb., 252
in hepatobiliary disease, *1962:* Feb., 254
in pancreatic disease, *1962:* Feb., 258
value in diagnosis and management of surgical diseases, *1962:* Feb., **249–266**
Epididymis, injuries, operative, *1963:* June, 825
Epiphysis, humeral, proximal, fractures, *1963:* Dec., **1573–1580**
Epiphysitis of spine, *1963:* April, 360
Episioproctotomy, technique and complications, *1962:* Aug., **947–954**
Epispadias, repair of, evaluation of results, *1963:* Feb., 152, 153
status of perineum in, *1962:* Aug., 888
Epithelioma of cervix uteri, preclinical, positive cytologic findings in, surgical management, *1961:* Aug., **1025–1031**
Esophageal hiatal hernia. See *Hernia, hiatal.*
Esophageal web, treatment, *1961:* June, 795
Esophagitis, peptic, *1961:* June, 777
Esophagocardiomyotomy for esophageal achalasia, *1962:* Dec., 1412
in carcinoma of cardia, *1961:* Aug., 898
in esophageal varices, *1961:* Aug., 887
Esophagostomy, cervical, in congenital atresia of esophagus, *1961:* Oct., 1289
Esophagus, achalasia, *1961:* June, 780
diagnosis, *1962:* Dec., 1408
Heller operation for, *1961:* June, 780, 781; *1962:* Dec., **1407–1418**
anastomoses, general considerations, *1961:* Feb., 5
and cardiac end of stomach, carcinoma of, surgical treatment, *1962:* Dec., **1397–1405**
atresia, congenital, *1961:* June, 773
management, *1961:* Oct., **1281–1293**
operative, *1961:* Oct., 1285
Esophagus (*Continued*)
atresia, management, postoperative, *1961:* Oct., 1290
preoperative, *1961:* Oct., 1284
diagnosis, *1962:* Dec., 1387
operative procedure, *1962:* Dec., 1389
postoperative care and feeding, *1962:* Dec., 1393
preoperative planning and preparation, *1962:* Dec., 1388
special problems, *1962:* Dec., 1394
technical considerations in surgical management, *1962:* Dec., **1387–1395**
with other gastrointestinal anomaly, *1962:* Dec., 1395
without tracheoesophageal fistula, *1962:* Dec., 1395
carcinoma, *1961:* June, **769–772**
chemotherapy, *1962:* Oct., 1149
colon transplant in, *1963:* Feb., **3–10, 11–30**
management, *1961:* June, 789
operations for, choice of, *1961:* Feb., 8
lower portion, *1961:* Feb., 9
middle or upper third, *1961:* Feb., 11
radiation therapy, *1962:* April, 412
cervical, approaches to, technique, *1961:* Feb., 4
reconstruction, using colon transplants, *1963:* Feb., **3–10**
replacement of, *1963:* Aug., **1171–1186**
compression, by anomalous great vessels, *1961:* June, **821–834**
cysts, *1961:* June, 787
diseases, diagnosis and treatment, difficult problems, *1961:* Aug., **865–869**
diverticula, epiphrenic, aspiration pneumonitis due to, *1961:* Aug., 867
hiatus, exploratory technique, *1961:* Feb., 16
hernias involving, *1962:* Oct., 1182
thoraco-abdominal repair, *1961:* June, **835–838**
injuries, *1961:* June, 630
motility, studies, in carcinoma of cardia, *1961:* Aug., 901
obstructing lesions, *1961:* June, **773–793**
polyps, *1961:* June, 785, 786
spasm, idiopathic, *1961:* Aug., 867
versus postcholecystectomy pain, *1961:* Aug., 868
stenosis, dysphagia due to, endoscopic management, *1961:* June, **795–799**
right colon transplant in, *1963:* Feb., **11–30**
strictures, chemical or caustic, *1961:* June, 776
inflammatory, treatment, *1961:* June, 798
surgery of, *1961:* Feb., **1–13**

Esophagus *(Continued)*
surgery of, preoperative care, *1961:* Feb., 6
thoracic, approaches to, technique, *1961:* Feb., 5
reconstruction, using right colon transplant, *1963:* Feb., **11–30**
trauma to, *1963:* Aug., 922
tumors, benign, *1961:* June, 782, 784
intrathoracic goiter and, differentiation, *1962:* June, 682, 683
varices, bleeding, control of hemorrhage, *1962:* Dec., 1504
diagnosis, *1961:* Aug., **833–895**; *1962:* Dec., 1503
emergency portacaval shunt for, *1962:* Dec., 1502
metabolic support of patient, *1962:* Dec., 1505
intragastric cooling in, *1962:* Oct., 1175
Estrogen therapy, following hysterectomy, *1961:* Feb., 164
in cancer, *1962:* April, 359
of breast, *1962:* April, 500, June, 698, Aug., 864
Ethyl chloride anesthesia, *1963:* June, 647
Ethylene anesthesia, *1963:* June, 645
Evans' formula for fluid loss in burns, modified, for children, *1963:* April, 500, 501
Examination(s), frozen section, what can be expected from, *1962:* April, **443–454**
physical, in fracture case, *1961:* Dec., 1454
Exenteration(s), pelvic, reduction of morbidity and mortality in, *1962:* Dec., **1583–1593**
types, *1962:* Dec., 1583, 1584
urinary and fecal diversion, *1962:* Dec., 1586
Exercise(s). See also *Physiotherapy.*
in joint disorders, *1961:* Dec., 1612, 1613
Exophthalmos, pathogenesis, *1962:* June, 643
Exploration, abdominal, in surgery of abdominal aorta, *1961:* Oct., 1334
techniques, *1961:* Feb., **15–22**
Exstrophy of bladder, repair of, evaluation of results, *1963:* Feb., **151–161**
Exteriorization in colon injuries, *1963:* April, 460
Extracorporeal circulation, fluids and electrolytes following, *1962:* Feb., 49
Extremity(ies). See also *Arm, Leg.*
lower, blood supply to, preservation in pelvic exenteration, *1962:* Dec., 1589
edema of, pressure and posture in control of, physiologic principles, *1962:* Feb., **141–149**
upper, intractable pain in, management, *1961:* Oct., 1163
Eyelids, wrinkles and redundant tissues, surgical removal, *1963:* Aug., 965

FACE, defects, correction with silicone rubber implants, *1963:* Oct., 1318
guard, football, spinal injuries due to, *1963:* April, 356
pain in, intractable, management, *1961:* Oct., 1164
paralysis, following head and neck surgery, *1963:* Aug., 924
wrinkles and redundant tissues, surgical removal, *1963:* Aug., **963–972**
Facial nerve, dysfunction following head and neck surgery, *1963:* Aug., 924
in parotid surgery, *1963:* Aug., **973–977**
Fantus test, *1962:* Feb., 38
Fascia, superficial, of perineaum, anatomy of, in female, *1962:* Aug., 886
in male, *1962:* Aug., 883
Fascial repair of Gallie for recurrent anterior dislocation of shoulder, *1963:* Dec., **1655–1662**
Fasciotomy in snake bite, *1963:* April, 546, 547
Fat, orbital, herniation in lower eyelid, *1963:* Aug., 967
Fats in wound healing, *1962:* Feb., 20
Feces, diversion of, in pelvic exenteration, *1962:* Dec., 1586
Feeding, by gastrostotomy tube, *1962:* Oct., 1144
by hypodermoclysis, *1962:* Oct., 1142
by nasogastric tube, *1962:* Oct., 1143
intravenous, *1962:* Oct., 1140
rectal, *1962:* Oct., 1144
Feminization syndrome, testicular, *1962:* June, 740
Feminizing tumors, *1962:* April, 556
Femoral artery, surgery of, aids in, *1961:* Feb., 251
Femoral hernia, surgical technique, *1961:* Feb., 230–232
Femoropopliteal system, occlusive syndromes, case selection and diagnostic methods, *1963:* Oct., 1431
Femur. See also *Bones, long.*
fracture, associated with hip dislocation, *1961:* Oct., 1381
with patellar fracture, *1961:* Oct., 1382
nonunion, *1963:* April, 344
head, prosthetic replacement, *1961:* Dec., **1619–1631**
neck, fractures, bone necrosis following, *1961:* Dec., 1705
intracapsular, treatment, *1961:* Oct., **1367–1377**
tibia and, fracture of, *1961:* Oct., 1382
Fetal deaths from postmaturity, *1962:* Aug., 896, 903
Fever, in cancer, *1962:* April, 324
unexplained, after open heart surgery, management, *1961:* Oct., 1253

Fiberscope, gastroduodenal endoscopy with, analysis of 500 examinations, *1962:* Oct., **1081–1090**
Fibrillation, auricular, after heart surgery, *1963:* June, 735
after lung surgery, *1963:* June, 731
ventricular, in heart surgery, *1963:* June, 734
Fibrinolysin, effect on hepatic metastases in cancer, *1962:* April, 346
Fibroids of uterus, and infertility, *1962:* June, 756
hysterectomy for, *1961:* Feb., 153
Fibroma, of esophagus, *1961:* June, 785, 788
Fibromyomas of uterus. See *Uterus, fibroids.*
Fibrosarcoma of chest wall, *1961:* June, 650
Fibula. See also *Bones, long.*
and tibia, fractures of, complications following open reduction, *1961:* Dec., **1587–1592**
indications and operative technique for open reduction and internal fixation, *1961:* Dec., **1515–1529**
shaft of, surgical approach to, *1961:* Dec., 1483
Finger, index, injuries, index ray amputation in, *1963:* April, **367–370**
joints, manipulation of, *1961:* Dec., 1615
First aid stations of future, *1963:* April, 332
Fistula, arteriovenous, coronary, *1961:* April, 437, 438
following head and neck trauma, *1963:* Aug., 925
pulmonary, diagnosis and treatment, *1961:* April, **523–535**
biliary, postoperative, *1961:* Feb., 56; *1963:* June, 749
bronchopleural, as complication of pneumonectomy, *1962:* Dec., 1531, 1534
bronchopulmonary, after lung surgery, *1963:* June, 728
chylous, following neck surgery, *1963:* Aug., 923
fecal, after colon surgery, *1963:* June, 781
gastrointestinal, diagnosis, prevention and treatment, *1962:* Oct., **1311–1320**
fluids and electrolytes in, *1962:* Feb., 46
gastrojejunocolic, diagnosis, *1962:* Dec., 1445
operation in one stage for, *1962:* Dec., **1443–1449**
follow-up data, *1962:* Dec., 1447
problems in, *1961:* Aug., 931
pancreatic, losses through, *1962:* Feb., 208
postoperative, *1963:* June, 759
Fistula (*Continued*)
tracheoesophageal, congenital, operation for, *1961:* Feb., 6
management, *1961:* Oct., **1281–1293**
right colon transplant in, *1963:* Feb., **11–30**
with atresia of esophagus, *1962:* Dec., 1387
without atresia of esophagus, *1961:* Aug., **871–882**
surgical complications, in children, *1963:* June, 689
urinary and intestinal, as complication of pelvic exenteration, *1962:* Dec., 1591
vesicosigmoidal, and diverticulitis, problems in, *1961:* Aug., 932
vesicovaginal, postoperative, *1963:* June, 820
in pelvic surgery, *1963:* June, 793
Fixation, internal, of tibial fracture, indications for, *1961:* Dec., 1490, 1531, 1546
intramedullary, in septic nonunion of long bones, *1961:* Dec., 1595
metal, in tibial fractures, *1961:* Dec., 1571. See also *Nailing, Plates, Screws, Splints.*
Fluids, administration, after chest surgery, *1961:* June, 607
after operation for congenital atresia of esophagus, *1961:* Oct., 1291
in intestinal obstruction, *1962:* Oct., 1292
in postoperative intestinal obstruction, *1963:* June, 851
preoperative, *1963:* June, 653
alimentary tract, normal, *1962:* Feb., 39
body, and malnutrition, *1961:* Oct., 1151
homeostasis in surgical disease states, complex problems in pathophysiology and management, *1961:* Oct., **1143–1157**
percentage of body weight, by compartments, *1963:* April, 499
deficit, in dehydration due to water loss, calculation, *1963:* June, 655
extracellular, isotonic, total volume abnormalities, diagnosis and treatment, *1961:* Oct., 1150, 1151
imbalance, problems in, and their manment, *1962:* Feb., **35–54**
in acute pancreatitis, *1962:* Dec., 1492
in chemical peritonitis, *1962:* Oct., 1106
maintenance requirements, in child, *1963:* April, 498
parenteral, for children, *1963:* June, 686
in injured child, *1963:* April, **497–505**
replacement, after open heart surgery, *1961:* Oct., 1248
requirements, postoperative, in infants and children, *1961:* June, 614

5-Fluoro-2-deoxyuridine in cancer, *1962:* June, 810, 811
arterial infusion therapy, *1962:* April, 379, June, 816
of colon and rectum, *1962:* Oct., 1162
Fluoroscopy, image intensification in, *1961:* June, 585
5-Fluorouracil in cancer, *1962:* April, 358, June, 810, 811
arterial infusion therapy, *1962:* April, 379, June, 816; *1963:* Feb., 32
of breast, *1962:* Aug., 871
of colon and rectum, *1962:* Oct., 1162
by continuous intravenous drip, *1962:* Oct., 1164
x-ray with, *1962:* Oct., 1164
Fluothane anesthesia, *1963:* June, 647
Flushing in islet cell tumors of pancreas, *1962:* April, 313
Foley catheter, cecostomy, value in conjunction with resection of left colon and rectosigmoid, *1962:* Dec., **1475–1479**
for intestinal decompression, *1962:* Feb., 231, 232
Football face guard, spinal injuries and, *1963:* April, 356
Foramen, jugular. See under *Jugular.*
of Morgagni, herniation through, *1961:* June, **839–846**
Forceps, endometrial polyps, *1962:* Aug., 1017, 1018
Forceps fracture of skull, *1961:* Oct., 1256
Forearm, fractures, nonunion and malunion, *1963:* April, 346
Foreign bodies in heart, *1961:* June, 632
Forehead, wrinkles on, surgical removal, *1963:* Aug., 964
Foreign bodies in stomach, in children, *1963:* June, 693
Fossa, ischiorectal, anatomy of, *1962:* Aug., 882
Fractures, and pseudoarthroses of tibia, management, *1961:* Dec., **1567–1577**
articular, surgical reconstruction in, *1961:* Feb., **253–257**
aseptic necrosis following, *1961:* Dec., **1701–1720**
atlanto-axial, *1961:* Oct., 1364
closed, complications following open reduction, *1961:* Dec., **1587–1592**
compound, infection in, *1961:* Dec., 1503
delayed union, causes and diagnosis, *1963:* April, 340, 342
healing of, *1963:* April, 337–340
multiple, of lower extremity, *1961:* Oct., 1381
of same extremity, problems in management, *1961:* Oct., **1379–1388**
of upper extremity, *1961:* Oct., 1385
nonunion, *1963:* April, **337–349**
causes and diagnosis, *1963:* April, 340, 343
treatment planning, *1963:* April, 343
oblique and spiral, plate and screw fixation, *1961:* Dec., 1555
Fractures (*Continued*)
of acromion, *1963:* Dec., 1568
of cervical spine, *1961:* Oct., **1357–1366**
advantages of internal stabilization, *1961:* Dec., 1662
treatment, *1961:* Oct., 1360, Dec., 1666
of clavicle, complications, *1963:* Dec., 1560
disability evaluation, *1963:* Dec., 1725
treatment, *1963:* Dec., **1555–1563**
of coracoid process, *1963:* Dec., 1568
of femoral neck, indications for prosthetic replacement, *1961:* Dec., 1620, 1621
of femur, nonunion, *1963:* April, 344
intracapsular, treatment, *1961:* Oct., **1367–1377**
of forearm and leg, nonunion and malunion, *1963:* April, 346
of glenoid fossa, *1963:* Dec., 1569
of humerus, epiphysis, proximal, types and treatment, *1963:* Dec., **1573–1580**
head, disability evaluation, *1963:* Dec., 1725
prosthetic replacement in, indications and operative technique, *1963:* Dec., **1581–1597**
nonunion in, *1963:* April, 344
of long bones, osteomyelitis following, recent advances in treatment, *1961:* Dec., **1593–1605**
of ribs, stress, associated with pregnancy, *1962:* Aug., **909–919**
of scapula, diagnosis and treatment, Dec., **1565–1571**
disability evaluation, *1963:* Dec., 1725
neck, *1963:* Dec., 1569
of shafts of tibia and fibula, indications and operative technique for open reduction and internal fixation, *1961:* Dec., **1515–1529**
of shoulder, disability evaluation, *1963:* Dec., 1725
nerve injuries in, treatment, *1963:* Dec., **1685–1689**
of skull, compound, *1961:* Oct., 1258
in infants and children, *1961:* Oct., 1256
simple, *1961:* Oct., 1256
of spine in sports, *1963:* April, 359
of tibia, comminuted, plate and screw fixation, *1961:* Dec., 1558
complicated brace management, *1961:* Dec., **1579–1585**
delayed healing, plate and screw fixation for, *1961:* Dec., 1560
in adults, *1961:* Dec., 1569
in children, *1961:* Dec., 1567
intramedullary fixation, *1961:* Dec., **1531–1543**
natural history, *1961:* Dec., **1495–1513**
open reduction, indications for, *1961:* Dec., 1490, 1521, 1531

Fractures (*Continued*)
of tibia, open reduction, technique, *1961:* Dec., 1519
operative treatment, *1961:* Dec., **1489–1494**, 1495–1513, 1515–1529, 1531–1543, 1545–1565, 1567–1577
plate and screw fixation, indications and operative technique, *1961:* Dec., **1545–1565**
transverse, plate and screw fixation, *1961:* Dec., 1555
popliteal artery injuries in, *1961:* Aug., **1087–1098**
reduction, as principle of therapy, *1961:* Dec., 1458
satisfactory, definitions, *1961:* Dec., 1459
therapy, basic principles, *1961:* Dec., **1453–1462**, 1489
Fracture-dislocation, of humeral head, prosthetic replacement in, indications and operative technique, *1963:* Dec., 1583, 1592
of second on third cervical vertebra, *1961:* Oct., 1365
Fredet-Ramstedt operation, *1961:* Feb., **43–50**
Frostbite, etiopathogenesis, *1963:* April, 522
problem of, in civilian medical practice, *1963:* April, **519–536**
treatment, *1963:* April, 528
Frozen section examinations, in head and neck surgery, *1963:* Aug., **943–950**
in tumors of breast, *1962:* April, 449
indications, techniques and errors, *1962:* April, 443
regional, *1962:* April, 449
what can be expected from, *1962:* April, **443–454**
Frozen shoulder, *1963:* Dec., 1708–1713
treatment by manipulation and corticosteroids, indications, *1963:* Dec., **1715–1720**
Function, restoration of, as principle of fracture therapy, *1961:* Dec., 1462
Fungus infection of lung, diagnosis, *1961:* June, 729
surgical treatment, *1961:* June, 737
Funnel chest, *1961:* Oct., **1271–1279**
Fusion, anterior, interbody, of lumbar vertebrae, *1961:* Dec., **1685–1700**
of cervical spine, *1961:* Dec., 1675
of bone, requirements for, *1961:* Dec., 1685–1690
of cervical spine, indications for, in fractures and dislocations, *1961:* Oct., 1361

GALLBLADDER, carcinoma, with liver metastases, right hepatic lobectomy for, *1963:* Feb., 64
Gallbladder (*Continued*)
disease of, acute, pain of, *1962:* Feb., 247
exploratory technique, *1961:* Feb., 17
remnant, postcholecystectomy, *1961:* Aug., 1001
surgery, avoidance of hazards in, *1961:* Feb., **51–70**
complications, *1963:* June, **741–754**
Gallie technique for repair of recurrent anterior dislocation of shoulder, *1963:* Dec., **1655–1662**
Gallstone ileus, *1961:* Feb., **71–81**
Gallstone pancreatitis, *1960:* Dec., 1506
Gallstones, with mitral stenosis, *1961:* April, 459
Gamma globulin, prophylactic use with multiple transfusions in aged, to reduce risk of serum hepatitis, *1963:* Feb., 271
Gammagram, in clinical appraisal of nodular goiters, *1963:* Aug., 1101
Gas gangrene, diagnosis and treatment, *1963:* April, **511–517**
Gas insufflation in infertility, *1962:* June, 751
Gases, blood, measurement in postoperative ventilatory failure, *1963:* June, 631
Gastrectomy, Billroth II, prevention of fistulas, *1962:* Oct., 1312
disorders after, fiberscope in diagnosis, *1962:* Oct., 1087
for pancreatitis, *1963:* Feb., 203
for peptic ulcer, physiologic principles, *1962:* Feb., 189
intestinal obstruction after, *1963:* June, 844
subtotal, for benign gastric ulcer, *1961:* Feb., **27–36**
Billroth I reconstruction, *1961:* Feb., 28–33
Billroth II reconstruction, *1961:* Feb., 33–35
for ulcer, *1962:* Dec., **1419–1429**
Gastric. See also *Stomach*.
Gastric retention, following subtotal gastrectomy for ulcer, *1962:* Dec., 1427
Gastric secretion, physiology of, as it applies to peptic ulcer, *1962:* Feb., **185–201**
Gastric stasis, prevention of, in selective gastric vagotomy, *1962:* Dec., 1436
Gastric vagotomy. See *Vagotomy*.
Gastroduodenal disease of aged, surgery for, current concepts, *1963:* Feb., **261–275**
Gastroduodenal endoscopy with fiberscope, analysis of 500 examinations, *1962:* Oct., **1081–1090**
Gastroduodenostomy, fistula arising from, treatment, *1962:* Oct., 1316
Gastroenteritis, acute, with hypoproteinemia and malabsorption, *1962:* Oct., 1130
Gastroenterostomy, for pancreatitis, *1963:* Feb., 204
with vagotomy, technique, *1961:* Feb., **23–26**

Gastroesophageal varices, hemorrhage from, management, *1961:* Oct., 1310
Gastroileostomy, postoperative, *1962:* Dec., 1427; *1963:* June, 771
Gastrointestinal allergy, *1962:* Oct., 1115
Gastrointestinal disease, plasma protein in, abnormal enteric loss, *1962:* Oct., **1125–1133**
Gastrointestinal fistulas, diagnosis, prevention and treatment, *1962:* Oct., **1311–1320**
Gastrointestinal hemorrhage, upper, diagnostic aids in localizing site, *1962:* Oct., **1091–1099**
endoscopic examination using fiberscope, *1962:* Oct., 1088
intragastric cooling for, *1962:* Oct., **1171–1180**
Gastrointestinal manifestations of diaphragmatic hernia, *1962:* Oct., **1181–1189**
Gastrointestinal tract, decompression in reconstructive bowel and biliary surgery, *1962:* Feb., **231–239**
malignancies, chemotherapy, *1962:* April, 363
radiation therapy, *1962:* April, 413
surgery of, nutrition in, *1962:* Oct., **1135–1146**
recent advances, symposium on, *1962:* Oct., **1077–1368**
tumors, systemic effects, *1962:* April, 315
Gastrointestinal transplantation, *1962:* Oct., **1191–1217**
Gastrojejunocolic fistula. See under *Fistula.*
Gastrojejunostomy, fistula arising from, prevention and treatment, *1962:* Oct., 1313, 1316
for peptic ulcer, disadvantages, *1962:* Feb., 190
Gastrostomy, for gastric drainage in children, *1963:* June, 687
in congenital atresia of esophagus, *1961:* Oct., 1285, 1288
postoperative, in esophageal atresia, *1962:* Dec., 1393
simple, technique, *1961:* June, 777, 778
tube, feeding by, *1962:* Oct., 1144
for gastrointestinal decompression, *1962:* Feb., 231, 232
for postoperative decompression, *1963:* Oct., **1243–1252**
Gaucher's disease, splenectomy for, *1963:* Feb., 220
Gelfoam, in blood vessel surgery, *1961:* Feb., 249
Genes, *1962:* April, 289
Genetics, in cancer, *1962:* April, **289–303**
Genitourinary tract, malignant tumors, chemotherapy, *1962:* April, 362
Gingiva, carcinoma, arterial infusion chemotherapy, *1962:* April, 375
Glenohumeral joint, axillary structures in relation to, *1963:* Dec., 1514
movements and muscles of, *1963:* Dec., 1475
Glenohumeral joint (*Continued*)
nerve supply, *1963:* Dec., 1480
surgical anatomy, *1963:* Dec., 1479
Glenoid fossa, fractures, *1963:* Dec., 1569
Goiter. See also *Thyroid nodule.*
exophthalmic. See *Hyperthyroidism.*
intrathoracic, differential diagnosis, *1962:* June, 680
large, surgical management, *1962:* June, **679–685**
transsternal thyroidectomy for, *1961:* June, **655–666**
nodular, asymptomatic, diagnostic aspects, *1963:* Aug., **1097–1106**
long-standing, in elderly, obscure hyperthyroidism in, *1962:* June, **667–672**
nontoxic, diagnosis and treatment, physiologic principles, *1962:* Feb., 164
selection for surgical management, *1963:* Aug., 1102
Gonads, thyroid and, relation, *1962:* June, 644
Grafts. See also *Prostheses.*
arterial, in femoral occlusion, *1961:* Feb., 251
bone, immobilization of mandible for, in edentulous mouth, *1963:* Aug., 991–995
in nonunion of tibial fractures, *1961:* Dec., 1575
compatibility, problem of, *1962:* Feb., 57
procurement and storage, problems of, *1962:* Feb., 63
skin. See *Skin grafting.*
Granulation tissue, after laryngofissure for carcinoma of vocal cords, transoral approach, *1963:* Aug., 1090
Granuloma(s), appendiceal, in Hawaii, *1963:* Oct., 1405
of descending colon, diagnosis, *1961:* Aug., 919
of vocal cords, transoral approach, *1963:* Aug., 1085
pulmonary, differential diagnosis, *1961:* June, 729
Graves' disease. See *Hyperthyroidism.*
Grease-gun injuries of hand, *1963:* Oct., **1277–1282**
Great vessels, anomalous, compression of trachea and esophagus by, *1961:* June, **821–834**
both, origin of, from right ventricle, *1961:* Aug., 1113–1120
surgery of, hemorrhage following, *1963:* June, 717
Greifensteiner method of compression in fractures of long bones, *1961:* Dec., 1595
Gynecography in amenorrhea; *1962:* June, 734
Gynecologic surgery, complications, *1963:* June, **789–810**
wound, in, *1962:* Aug., **1037–1047**

Gynecology, paracervical block in, *1962:* Aug., **927–931**
progress in, symposium on, *1962:* Aug., **833–1062**
Gynecomastia, in bronchogenic carcinoma, *1962:* April, 308

HALOTHANE anesthesia, *1963:* June, 647
Hand, grease-gun type injuries of, *1963:* Oct., **1277–1282**
Hashimoto's thyroiditis, *1962:* June, **647–653**
diagnostic tests, *1962:* June, 649
Head and neck, carcinoma, *1962:* April, **469–479**
chemotherapy by arterial infusion, *1962:* April, 380
by perfusion techniques, *1962:* April, 397, 474
diagnostic and therapeutic problems, *1961:* Aug., **1049–1059**
cysts and tumors of, *1961:* Aug., **1049–1059**; *1963:* Oct., **1283–1292**
innervation, sensory, *1963:* Aug., 951
operations on, anesthesia for, *1963:* Aug., **929–942**
surgery, fresh-frozen sections in, *1963:* Aug., **943–950**
symposium on, *1963:* Aug., **915–1186**
traumatic lesions, treatment, *1963:* Aug., **917–927**
illustrative cases, *1963:* Aug., 920
immediate measures, *1963:* Aug., 917
tumors, *1961:* Aug., **1049–1059**; *1963:* Oct., **1283–1292**
diagnostic problems in, *1961:* Aug., **1049–1059**
Head, carcinoma, radical dissection for, rationale and technique, *1961:* Feb., **189–199**
injuries in infancy and childhood, *1961:* Oct., **1253–1269**
surgery of, diagnostic problems in, *1961:* Aug., **1049–1059**
Healing, of fractures, *1963:* April, 337–340
of wounds. See *Wounds, healing of.*
Health appraisal program, methods and results, *1961:* Oct., **1425–1432**
Heart, arrest. See *Cardiac arrest.*
block, in heart surgery, *1963:* June, 735
disease, acquired, cardiac catheterization in, *1961:* April, 273
congenital, cardiac catheterization in, *1961:* April, 283
intracardiac surgery for, *1963:* Feb., **133–145**
diagnosis, general considerations, *1961:* April, **267–272**
preoperative, cardiac catheterization in, *1961:* April, **273–290**
Heart (*Continued*)
disease, in surgical patient, fluids in, caution, *1962:* Feb., 49
influence on operative risk in aneurysm of aortic arch, *1962:* Dec., 1552
management, preoperative, *1963:* June, 659
pulmonary hypertension in, preoperative assessment and management, *1963:* Feb., 126, 128, 130
rheumatic, surgery of, anticoagulants in, *1961:* April, 323
foreign bodies in, *1961:* June, 632
injuries, *1961:* June, 631
emergency management, *1961:* April, **487–496**
massage, in cardiac arrest, *1963:* June, 711
surgery of, anesthesia for, *1961:* April, **327–337**
anticoagulants in, *1961:* April, 323–326
cardiac catheterization in, *1961:* April, **273–290**
closed methods, *1961:* April, **339–348**
hemorrhage following, *1963:* June, 717
hypotension, circulatory collapse and shock after, causes and treatment, *1961:* April, **309–313**
hypothermia in, *1962:* Feb., 71
intravenous angiocardiography in, *1961:* April, **291–299**
open, basic requirements, *1961:* April, **349–358**
hypothermia in, *1961:* April, 356
postoperative problems, management, *1961:* Oct., 1245–1254; *1963:* June, 727, **732–738**
pulmonary hypertension and, *1962:* Feb., **131–140**
pump-oxygenator in, *1961:* April, 349
selective retrograde aortography in, *1961:* April, **301–308**
symposium on, *1961:* April, **265–535**
transplants, experimental, *1963:* Feb., 168
Heart-lung bypass, mechanical, local, in operations on thoracic aorta, *1961:* June, 815
Heller operation for achalasia of esophagus, *1961:* June, 780, 781
modification of, *1962:* Dec., **1407–1418**
Hemangiopericytoma, of parotid region, *1961:* Aug., 1052
subpleural, *1961:* June, 721
Hemarthrosis, injection therapy, *1961:* Dec., 1611
Hematemesis, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445, 1446
Hematologic disease, indications for splenectomy in, *1963:* Feb., 216

Hematoma, following amputation for ischemia, *1963:* June, 720
following inguinal herniorrhaphy, *1963:* June, 720
intracerebral, in infants and children, *1961:* Oct., 1265
retroperitoneal, management, *1963:* April, 399
subdural, in infants and children, *1961:* Oct., 1263
Hematometra, malignant disease and, *1962:* Aug., 1029
Hemicolectomy, left, for carcinoma of descending, sigmoid and rectosigmoid colon, technique, *1961:* Feb., **105–113**
Hemigastrectomy, with selective gastric vagotomy, *1962:* Dec., 1436
Hemodialysis unit, apparatus, *1961:* Oct., 1414
organization, *1961:* Oct., 1413
Hemodialysis in acute tubular necrosis, *1963:* April, 556
complications, *1963:* April, 565
indications for, *1963:* April, 561
Hemoglobinopathies, splenectomy for, *1963:* Feb., 220
Hemopericardium after cardiovascular surgery, *1961:* April, 310
Hemophilia, effect on wound healing, *1962:* Feb., 30
Hemorrhage, acute, in child, fluid and electrolyte deficits, estimating, *1963:* April, 499
as complication, of pelvic exenteration, *1962:* Dec., 1591
of splenectomy, *1962:* Dec., 1517
control, in cardiovascular injuries, *1961:* April, 490
in head and neck trauma, *1963:* Aug., 917
extradural, in infants and children, *1961:* Oct., 1262
following subtotal gastrectomy for ulcer, *1962:* Dec., 1425
from esophageal varices, control, *1962:* Dec., 1504
diagnosis, *1961:* Aug., **883–895**; *1962:* Dec., 1503
emergency portacaval shunt for, *1962:* Dec., 1502
metabolic support of patient, *1962:* Dec., 1505
gastroduodenal, in aged, emergency surgery for, *1963:* Feb., 263
gastrointestinal, upper, diagnostic aids in localizing site, *1962:* Oct., **1091–1099**
endoscopic examination using fiberscope, *1962:* Oct., 1088
intragastric cooling for, *1962:* Oct., **1171–1180**
in pelvic exenteration, *1962:* Dec., 1588
intracranial, in infants and children, *1961:* Oct., 1262
postoperative, *1963:* June, **715–726**
due to coagulation defect, *1963:* June, 721
Hemorrhage (*Continued*)
postoperative, due to lack of proper hemostasis, *1963:* June, 720
to wound infection, *1963:* June, 724
from raw surfaces, *1963:* June, 719
in arterial and cardiac surgery, *1963:* June, 715
in cardiac surgery, *1963:* June, 732
in colon surgery, *1963:* June, 780
in gallbladder surgery, *1963:* June, 741
in gastric surgery, *1963:* June, 769
in lung surgery, *1963:* June, 730
in pancreatic surgery, *1963:* June, 760
in pelvic surgery, *1963:* June, 800
rectal, in diverticulitis of colon, *1962:* Oct., 1272
subarachnoid, spontaneous, as presenting symptom of tumor of third ventricle, *1961:* Aug., **1043–1048**
vaginal, in endometrial polyps, *1962:* Aug., 1016
Hemorrhoidectomy, *1961:* Feb., **143–150**
Hemorrhoids, anatomy, *1961:* Feb., 143
clinical types, *1961:* Feb., 144
thrombosed, treatment, *1961:* Feb., 144
Hemostasis, inadequate, hemorrhage due to, *1963:* June, 720
Hemothorax, in chest injuries, *1961:* June, 621
infected, *1961:* June, 627
Henderson-Hasselbach equation, *1962:* Feb., 41
Heparin, effect on hepatic metastases in cancer, *1962:* April, 346
in blood vessel surgery, *1961:* Feb., 249
in thromboembolic disease, *1961:* Oct., 1348
Heparinization, control, in conduct of aortic bypass, *1961:* June, 816
Hepatic. See also *Liver*.
Hepatic artery, injuries, in bilary tract surgery, *1961:* Feb., 53
operative, *1963:* June, 744
Hepatic duct, common, carcinoma, diagnosis and surgical management, *1961:* Aug., 964, 972
injuries, operative, *1963:* June, 745
Hepatitis, postcholecystectomy, *1961:* Aug., 1002
serum, complicating transfusions, *1963:* June, 682
prophylactic use of gamma globulin with multiple transfusions to reduce risk of, in aged, *1963:* Feb., 271
Hepatobiliary disease, diagnosis, serum enzymes in, *1962:* Feb., 254
Hermodsson projection in recurrent dislocation of shoulder, *1963:* Dec., 1641
Hernia, bilateral, repair, *1961:* Feb., 232
Bochdalek, *1962:* Oct., 1187
diaphragmatic, gastrointestinal manifestations, *1962:* Oct., **1181–1189**

Hernia (*Continued*)
diaphragmatic, surgical complications, in children, *1963:* June, 691
through foramen of Morgagni, *1961:* June, **839–846**
traumatic, *1962:* Oct., 1186
femoral, surgical technique, *1961:* Feb., 230–232
hiatal, *1962:* Oct., 1182–1186
esophageal, thoraco-abdominal repair, *1961:* June, **835–838**
prevention of, in selective gastric vagotomy, *1962:* Dec., 1436
short-esophagus, carcinoma developing in, *1961:* Aug., 866
inguinal, direct, surgical techniques, *1961:* Feb., 227–230
in infancy and childhood, *1963:* Oct., **1393–1396**
indirect, surgical techniques, *1961:* Feb., 223–227
Morgagni, *1962:* Oct., 1187
sliding, management, *1961:* Feb., 226
Spigelian, *1963:* Oct., **1379–1384**
Hernioplasty. See *Herniorrhaphy.*
Herniorrhaphy, anesthesia for, *1961:* Feb., 222
femoral, in adult, *1961:* Feb., **230–232**
inguinal, hematoma following, *1963:* June, 720
in adult, *1961:* Feb., **221–230**
in infants, prophylaxis or cure, *1963:* Feb., **147–150**
indirect, primary, results in 2595 operations, *1963:* Oct., **1439–1446**
preoperative considerations, *1961:* Feb., 221
Hessing brace in tibial fractures, *1961:* Dec., 1580
Heterografts, rejection phenomenon, *1962:* Feb., 57
Hey Groves, Ernest W., *1963:* April, 325
Hiatus hernia. See *Hernia, hiatal.*
Hip, dislocation, associated with fracture of femur, *1961:* Oct., 1381
congenital, as indication for prosthetic replacement of femoral head, *1961:* Dec., 1623
traumatic, bone necrosis following, *1961:* Dec., 1709
endoprosthetic devices in, late complications, *1961:* Dec., **1633–1643**
replacement arthroplasty of, *1961:* Dec., **1619–1631**; *1963:* Oct., **1217–1228**
Hippocrates, *1963:* April, 317, 318
Hirschsprung's disease, diagnosis, in infancy, childhood and adults, *1961:* Aug., **935–950**
in Hawaii, *1963:* Oct., 1410
History, in evaluation of patient for thoracic surgery, *1961:* June, 545
Hodgkin's disease, chemotherapy, *1962:* April, 361
radiation therapy, *1962:* April, 416
Homografting, skin, in burns, *1961:* Oct., 1180
Homografts, of small bowel, *1962:* Oct., 1199–1206
rejection phenomenon, *1962:* Feb., 57; *1963:* Feb., 164
attempts at modification of, *1963:* Feb., 164
Hormone(s), in cancer, *1962:* April, 359
of breast, *1962:* April, 499
in wound healing, *1962:* Feb., 22
parathyroid, actions of, *1961:* Oct., 1201
thyroid, *1962:* June, 640
thyroid-stimulating, *1962:* June, 642
treatment with. See *Endocrine therapy.*
Hospitals, cross infection in, prevention, isolation technique for, *1963:* June, **897–904**
Human bites, *1963:* April, 537–539
Host factors influencing development of metastases in cancer, *1962:* April, **335–351**
Humerus. See also *Bones, long.*
dislocation, downward, prevention of, *1963:* Dec., 1477
fracture of, associated with dislocation of humeral head, *1961:* Oct., 1385
nonunion, *1963:* April, 344
head of, dislocation, associated with fracture of humeral shaft, *1961:* Oct., 1385
fractures, disability evaluation, *1963:* Dec., 1725
head-splitting, *1963:* Dec., 1587
fracture-dislocations, *1963:* Dec., 1583, 1592
prosthetic replacement, indications and operative technique, *1963:* Dec., **1581–1597**
proximal epiphysis, fractures, types and treatment, *1963:* Dec., **1573–1580**
Hunter, John, *1963:* April, 319, 320
Hyaluronidase, in calcareous tendinitis, *1961:* Dec., 1724
intra-articular injection, *1961:* Dec., 1609, 1611
Hydremia, *1962:* Feb., 37
Hydrocortisone, in calcareous tendinitis, *1961:* Dec., 1724
in calcified deposits in shoulder, *1963:* Dec., 1496
intra-articular injection, *1961:* Dec., 1609
Hydrotherapy in burns, *1961:* Oct., 1179
Hydroxyprogesterone caproate in cancer, *1962:* June, 810, 814
Hygroma, cystic, *1963:* Aug., **1157–1163**
surgical complications, in children, *1963:* June, 688
Hymen, intact, *1962:* June, 736
Hyperadrenocorticism, diagnosis, *1962:* June, 582, 584
Hyperaldosteronism, diagnosis and treatment, *1962:* April, 552
Hypercalcemia, in cancer, *1962:* April, 322

Hypercalcemia (*Continued*)
in cancer of kidney, *1962:* April, 315
of lung, *1962:* April, 309
in hyperparathyroidism, *1961:* Oct., 1204
Hypercalciuria, in hyperparathyroidism, *1961:* Oct., 1205
Hyperinsulinism, *1963:* Feb., **79–97**
diagnosis and surgical management, dilemmas in, *1961:* Aug., **951–962**
islet cell tumors of pancreas and, *1962:* June, **709–720**
operative procedures, *1962:* June, 716
organic, physiologic manifestations, *1962:* June, 709
Hyperkalemia in renal failure, control of, *1963:* April, 560
Hyperparathyroidism, cervical exploration, problems, *1963:* Aug., 1116
diagnosis and treatment, *1962:* Feb., 177
primary, *1962:* June, **633–638**
medical and surgical considerations, *1961:* Oct., **1201–1217**
surgical exploration in equivocal cases, *1963:* Aug., 1115
thymectomy for, *1962:* June, 630
treatment, problems in, *1961:* Aug., **1061–1068**; *1963:* Aug., **1115–1121**
Hypersplenism, secondary, splenectomy for, *1962:* Dec., 1512
Hypertension, essential, operability of, *1962:* Feb., 105
surgical physiology of, *1962:* Feb., 100
in hyperparathyroidism, *1961:* Oct., 1203
portal, diagnosis, *1961:* Aug., 883, 886; Oct., 1308
portacaval shunts for, reduction of operative risks, *1962:* Dec., **1499–1508**
problems in management, *1961:* Oct., **1307–1322**
unusual problems in, *1962:* Oct., **1339–1345**
pulmonary, and cardiovascular surgery, *1962:* Feb., **131–140**
drug therapy, *1963:* Feb., 127
surgical procedures in presence of, *1963:* Feb., **125–132**
renovascular, *1962:* Feb., **109–130**
diagnostic aids, *1962:* Feb., 112
surgical treatment, *1962:* Feb., 118
surgical physiology of, *1962:* Feb., **91–107**
Hyperthyroidism, diagnosis and treatment, physiologic principles, *1962:* Feb., 157
obscure, in elderly patient with long-standing nodular goiter, *1962:* June, **667–672**
results, *1962:* June, **673–677**
Hypodermoclysis, feeding by, *1962:* Oct., 1142
Hypogammaglobulinemia, hypoproteinemia and enteric protein loss with, *1962:* Oct., 1131
in cancer, *1962:* April, 322
Hypoglycemia, causes of, *1963:* Feb., 81, 83
clinical evaluation, *1962:* June, 712
diagnosis and differential diagnosis, *1963:* Feb., 80, 81
due to giant mesenchymal tumors, *1963:* Feb., 81
to islet cell tumors, dilemmas in diagnosis and surgical management, *1961:* Aug., **951–962**
to nonpancreatic endocrine disorders, *1963:* Feb., 82
to surreptitious self-administration of insulin, *1963:* Feb., 84
functional, *1963:* Feb., 85
in carcinoma of liver, *1962:* April, 310
in children, *1963:* Feb., 94
in retroperitoneal tumors, *1962:* April, 311
laboratory assessment, *1963:* Feb., 84
prediabetic, *1963:* Feb., 86
Hyponatremia, in bronchogenic carcinoma, *1962:* April, 309
in surgical disease states, diagnosis and treatment, *1961:* Oct., 1148
Hypoparathyroidism, diagnosis and treatment, *1962:* Feb., 174
Hypophosphatemia, in hyperparathyroidism, *1961:* Oct., 1205
Hypophysectomy, for carcinoma of breast, *1961:* Oct., 1227; *1962:* April, **419–433**, 501, June, 699, Aug., 866, 868
comparison with oophorectomy-adrenalectomy, *1962:* April, 419–433
selection of patients, *1962:* June, **701–707**
for intractable pain, *1961:* Oct., 1167
steroid replacement following, *1962:* Dec., 1571
Hypophysis. See *Pituitary*.
Hypoproteinemia, *1962:* Feb., 50
causes, *1962:* Feb., 51
idiopathic, *1962:* Oct., 1125
in gastrointestinal disease, *1962:* Oct., **1125–1133**
treatment, *1962:* Feb., 52
Hypotension, arterial, after cardiovascular surgery, causes and treatment, *1961:* April, **309–313**
induced, in craniotomy, *1962:* Dec., 1570
postoperative, in chest surgery, *1961:* June, 599, 605
postural, in head and neck surgery, *1963:* Aug., 931
reflex, in head and neck surgery, *1963:* Aug., 932
Hypothalamus, lesions, androgenism in female due to, *1962:* Aug., 964
thyroid and, relation, *1962:* June, 643
tumors, diagnosis, *1962:* June, 581, 582

Hypothermia, effect on wound healing, *1962:* Feb., 30
for open heart surgery, *1961:* April, 356
for right hepatic lobectomy, *1963:* Feb., 71
gastric, in control of upper gastrointestinal hemorrhage, *1962:* Oct., 1093, **1171–1180**
in craniotomy, *1962:* Dec., 1569
in heart surgery, *1962:* Feb., 71
in management of peptic ulcer, *1962:* Feb., 186, 187
in neurosurgery, *1962:* Feb., 72
local, in control of bleeding esophageal varices, *1962:* Dec., 1504
physiology and clinical applications, *1962:* Feb., **67–77**
Hypothyroidism, diagnosis and treatment, physiologic principles, *1962:* Feb., 161
following thyroidectomy, *1962:* June, 674, 676
Hypovolemia, assessment and treatment, in shock, *1963:* June, 600
correction, preoperative, *1963:* June, 656
Hysterectomy, *1961:* Feb., **151–166**
abdominal, in obese patient, *1962:* Aug., **941–946**
appraisal, in obstetrical practice, *1962:* Aug., 933
indications for, *1962:* Aug., 934
radical, for carcinoma of cervix, *1962:* April, 534
subtotal, cervical stenosis following, *1962:* Aug., 1028
ureteral complications, *1963:* June, 795, 799

ICTERUS. See *Jaundice.*
Ileitis, problems in, *1961:* Aug., 932
Ileojejunitis with hypoproteinemia and malabsorption, *1962:* Oct., 1129
Ileostomy, complications, *1963:* June, 781
permanent, construction, in total colectomy, *1961:* Feb., 131
Ileostomy bags, *1961:* Feb., 133
Ileotransverse colostomy, side-to-side, *1961:* Feb., **91–93**
Ileum, lower, fistula from, treatment, *1962:* Oct., 1317
Ileus, adynamic (paralytic), after colon surgery, *1963:* June, 779
pathogenesis, diagnosis and treatment, *1962:* Oct., 1294
postoperative, *1963:* June, 840
following pelvic exenteration, *1962:* Dec., 1590
gallstone, *1961:* Feb., **71–81**
mechanical, after colon surgery, *1963:* June, 780
postoperative, *1963:* June, 842
meconium, *1963:* June, 694
Iliac bifurcation, surgery of, aids in, *1961:* Feb., 250
Image intensification in fluoroscopy, *1961:* June, 585
Immune response in cancer, *1962:* April, 322
Immunologic considerations, in ulcerative colitis, *1962:* Oct , **1115–1123**
Implant materials, subcutaneous, newer, experiences with, *1963:* Oct., **1313–1321**
Implants, metallic failure in, *1961:* Dec., 1633, **1645–1653**
Incision(s), abdominal, in gynecologic surgery, *1962:* Aug., 1037
choice of, effect on wound healing, *1962:* Feb., 30
for abdominal surgery, *1961:* Aug., 930
for anterior cervical fusion, *1961:* Dec., 1677
for anterior interbody fusion of lumbar vertebrae, *1961:* Dec., 1691
for appendectomy, *1961:* Feb., 96
for exploratory laparotomy, *1961:* Feb., 16
for radical mastectomy, *1961:* Feb., 179
for radical neck dissection for cancer, *1961:* Feb., 193; *1962:* Dec., 1599, 1609
for retroperitoneal exploration, *1963:* April, 389
for tracheotomy, *1961:* Feb., 206
in surgery of abdominal aorta, *1961:* Oct., 1334; *1962:* Dec., 1559
quadrant-reflecting, in surgical procedures of the upper abdomen, *1963:* Oct., **1373–1377**
Szilagyi, *1963:* Feb., 301
Incontinence, stress, in female, problems in diagnosis and treatment, *1961:* Oct., **1401–1412**
urinary, physiology of, newer thoughts on, *1962:* Aug., 889
Index ray amputation, *1963:* April, **367–370**
Infant(s), fluid requirements, postoperative, *1961:* June, 614
head injuries in, *1961:* Oct., **1253–1269**
inguinal hernias in, *1963:* Oct., **1393–1396**
inguinal herniorrhaphy in, prophylaxis or cure, *1963:* Feb., **147–150**
postmature, *1962:* Aug., **895–907**
diagnosis, *1962:* Aug., 904
method of delivery, *1962:* Aug., 901
placental pathology and, *1962:* Aug., 897
weights of, *1962:* Aug., 900
postoperative management in chest surgery, *1961:* June, 613
premature, esophageal atresia in, *1962:* Dec., 1394
surgical complications in, *1963:* June, **685–702**

Infant(s) (*Continued*)
tracheotomy in, *1961:* Feb., 210
tumors of abdomen in, problems in management, *1961:* Oct., **1295–1305**
Infection(s), after cardiovascular surgery, *1961:* April, 313
after open heart surgery, management, *1961:* Oct., 1253
as complication of splenectomy, *1962:* Dec., 1518
complicating hemothorax, *1961:* June, 627
hospital, isolation technique for prevention, *1963:* June, **897–904**
in burns, *1962:* Feb., 83
in compound fractures, *1961:* Dec., 1503
in fractures of tibia, *1961:* Dec., 1570
in radical neck dissection, prevention, *1962:* Dec., **1595–1603**
intraperitoneal, following subtotal gastrectomy for ulcer, *1962:* Dec., 1426
orocervical, following radical neck dissection, management of, *1962:* Dec., 1600
postoperative, *1963:* June, **859–882**
pyogenic, of intervertebral disk, *1961:* Aug., **1077–1086**
wound, effect on healing, *1962:* Feb., 23, 27
Infertility, diagnosis, *1962:* June, 750
due to cervical stenosis, *1962:* Aug., 1027
endometrial polyps and, *1962:* Aug., 1018
incompetent cervical os and, *1962:* June, 754
role of gynecologic surgeon in, *1962:* June, **749–763**
treatment, *1962:* June, 754, 755, 757, 761
Inflammatory disease, pulmonary, role of surgery in, *1961:* June, **727–745**
Inguinal hernia, direct, surgical techniques, *1961:* Feb., 227–230
indirect, surgical techniques, *1961:* Feb., 223
Inguinal herniorrhaphy. See under *Herniorrhaphy.*
Injection, intra-articular, in management of joints, *1961:* Dec., 1609
Injection therapy, in calcareous tendinitis, *1961:* Dec., 1724
Injury(ies). See also *Trauma.*
cardiovascular, emergency management, *1961:* April, **487–496**
head, in infancy and childhood, *1961:* Oct., **1253–1269**
in children, parenteral fluid therapy in, *1963:* April, **497–505**
of organs. See under names of organs.
nonpenetrating, retroperitoneal rupture of duodenum due to, *1963:* April, **413–431**
surgical physiology of, *1962:* Feb., **79–90**
thoracic, *1961:* June, **619–639**
Innominate artery, aneurysm, false, *1961:* June, 633
anomalies, compression syndrome from, *1961:* June, 830
Instrument(s), for ligation and stripping operation, *1961:* Feb., 238
for tracheotomy, *1961:* Feb., 205
Insulin, self-administration, surreptitious, *1963:* Feb., 84
Insulin-secreting tumors of pancreas, surgical treatment, progress in, *1963:* Feb., **79–97**
Intersex, *1963:* June, 701
Intervertebral disk, lesions, cervical, as cause of painful shoulder, *1963:* Oct., 1302, Dec., 1704
pyogenic infections, diagnosis and treatment, *1961:* Aug., **1077–1086**
Intestinal angina, *1962:* Oct., **1321–1328**
Intestinal antisepsis in colonic surgery, *1962:* Oct., **1277–1284**
Intestines, decompression, in bowel and biliary surgery, *1962:* Feb., **231–239**
inflammatory disease, hypoproteinemia in, *1962:* Oct., 1128
large, carcinoma of, relation of polyps to, *1962:* Dec., 1451
polyps and polypoid lesions, surgical considerations, *1962:* Dec., **1451–1465**
villous adenoma, as special problem, *1962:* Dec., 1457
in Hawaii, *1963:* Oct., 1412
obstruction, due to gallstones, *1961:* Feb., **71–81**
fluids and electrolytes in, *1962:* Feb., 47
following pelvic exenteration, *1962:* Dec., 1590
in children, *1963:* June, 694
in endometriosis, *1961:* Aug., 1011
pain of, *1962:* Feb., 247
pathophysiology and management, *1962:* Oct., **1281–1309**
perforation of alimentary tract due to, prevention of peritonitis, *1962:* Dec., 1483
postoperative, *1963:* June, **839–858**
replacement of fluid losses, *1962:* Oct., 1292
strangulation type, *1962:* Oct., 1298
physiology of, *1962:* Feb., **219–229**
small, as material for reconstruction of cervical esophagus, *1963:* Aug., 1176
exploratory technique, *1961:* Feb., 19
fistula from, *1962:* Oct., 1318
treatment, *1962:* Oct., 1317
transplantation of, *1962:* Oct., 1192–1206
surgery, for nonmalignant lesions, difficult problems in, *1961:* Aug., **929–933**
Intoxication, ammonia, in portal hypertension, *1961:* Oct., 1315

Intoxication (*Continued*)
prevention in cirrhotic patient, *1962:* Dec., 1505
Intracerebral hematoma, in infants and children, *1961:* Oct., 1265
Intracranial hemorrhage, in infants and children, *1961:* Oct., 1262
Intramedullary fixation, in septic nonunion of long bones, *1961:* Dec., 1595
Intravenous feeding, *1962:* Oct., 1140
Intubation, endotracheal, in head and neck surgery, *1963:* Aug., 934, 935, 941
gastric, in children, *1963:* June, 687
nasal, blind, alphaprodine in, *1963:* Oct., 1240
nasogastric, complications, *1963:* Oct., 1244
Intussusception, jejunogastric, retrograde, *1963:* June, 845
Iodide, butanol-extractable, in test of thyroid function, *1962:* June, 645
inhibition test, for Hashimoto's thyroiditis, *1962:* June, 650
Iodine, metabolism, *1962:* June, 639
protein-bound, as test of thyroid function, *1962:* Feb., 153
radioactive, in test of thyroid function, *1962:* Feb., 155, June, 644
in treatment of thyroid cancer, *1962:* April, 489
of thyrotoxicosis, *1962:* Feb., 160
uses, in thyrotoxicosis, *1962:* Feb., 158
Irradiation. See *Radiation therapy* and *Roentgen treatment.*
Ischemia, amputation for, hematoma following, *1963:* June, 720
management, in cardiovascular injuries, *1961:* April, 490
microcirculatory, low viscous dextran in, *1963:* June, 591, 592
Ischemic cerebrovascular disease, categories of, *1963:* Aug., 1146
Ischial decubitus ulcers, surgical treatment, *1963:* Feb., 254, 258
Ischiorectal fossa, anatomy, *1962:* Aug., 882
Islet cell carcinoma, ulcerogenic, *1963:* Oct., **1343–1348**
Isolation technique for prevention of cross infection in hospitals, *1963:* June, **897–904**

JAUNDICE, obstructive, following subtotal gastrectomy for ulcer, *1962:* Dec., 1427
postoperative, in gastric surgery, *1963:* June, 767
serum, homologous, from transfusions, *1963:* June, 682
Jaw resection, prosthodontic rehabilitation after, *1963:* Aug., **997–1001**
Jaw-neck operation, full, in carcinoma of mouth and tongue, *1962:* Dec., 1613
Jejunogastric intussusception, retrograde, *1963:* June, 845
Jejunostomy, feeding by, *1962:* Oct., 1144
Jejunum, ulcer, *1963:* June, 771
Joint(s), changes in bronchogenic carcinoma, *1962:* April, 307, 319
evaluation in fracture case, *1961:* Dec., 1456
management of, general principles, *1961:* Dec., **1607–1618**
Jones' operation for double uterus, *1962:* June, 755, 756
Jugular foramen syndrome, diagnostic principles, *1963:* Aug., **1129–1133**

KANAMYCIN for intestinal antisepsis, *1962:* Oct., 1281
Kidney, acute failure, following abdominal aorta surgery, *1961:* Oct., 1339
artificial, role in treatment of renal failure, *1961:* Oct., **1413–1423**
biopsy, needle, complications of, *1963:* June, 814
carcinoma, chemotherapy, *1962:* April, 362
radiation therapy, *1962:* April, 415
systemic effects, *1962:* April, 314
changes, in hyperparathyroidism, *1961:* Oct., 1203
diseases, hypertension in, surgical physiology, *1962:* Feb., 92, 95
management, preoperative, *1963:* June, 660
failure, acute, peritoneal dialysis in, *1963:* June, **883–896**
oliguric, management, *1963:* April, **555–568**
role of artificial kidney in treatment, *1961:* Oct., **1413–1423**
function, differential studies, in renal hypertension, *1962:* Feb., 115
normal, normal and abnormal dynamics with, *1962:* Feb., 36
impairment, abnormal dynamics in presence of, *1962:* Feb., 43
insufficiency, and mitral stenosis, *1961:* April, 459
papillary necrosis, problems in diagnosis and treatment, *1961:* Aug., **1033–1041**
pelvic, *1961:* Aug., 925
injury to, at operation, *1963:* June, 814
resection. See *Nephrectomy.*
revascularization, for renal hypertension, *1962:* Feb., 121
ruptured, *1963:* June, 813
surgery of, complications, *1963:* June, 812
transplantation, *1963:* Feb., 169
tubular necrosis, acute, management, *1963:* April, **555–568**
mannitol in prevention, *1963:* June, 584
vascular diseases, hypertension in, *1962:* Feb., **109–130**

Killian-Lynch suspension apparatus, for direct peroral intralaryngeal instrumentation, *1963:* Aug., 938
in vocal-cord surgery, *1963:* Aug., 1081, 1082
King method of compression in fractures of long bones, *1961:* Dec., 1594
Kit, for repair of vascular injuries, *1963:* April, 374
snake bite, *1963:* April, 545
Knee, extension of, in casting fractured tibia, *1961:* Dec., 1499
fractures and dislocations, popliteal injuries in, *1961:* Aug., **1087–1098**
manipulation of, *1961:* Dec., 1616
Knowles pin for old unreduced anterior dislocation of shoulder, *1963:* Dec., 1677

LABIA majora, *1962:* Aug., 885
minora, *1962:* Aug., 886
Labor, episioproctotomy at, *1962:* Aug., **947–954**
induction, in postmaturity, *1962:* Aug., 905
paracervical block for, *1962:* Aug., **927–931**
Laminography as related to thoracic surgery, *1961:* June, 573
Lane, Sir Arbuthnot, *1963:* April, 321, 323
Laparotomy, exploratory, techniques, *1961:* Feb., **15–22**
Laryngectomy, anatomy and technique, *1963:* Aug., **1063–1079**
anesthetic techniques, *1963:* Aug., 940
indications for, *1963:* Aug., 1064
postoperative care, *1963:* Aug., 1078
results of treatment, *1963:* Aug., 1078
Laryngohypopharynx, carcinoma, radiation therapy, *1962:* April, 411
Laryngoscopy, suspension, in vocal-cord surgery, *1963:* Aug., 1081
Laryngotomy, technique, *1961:* Feb., 204
Larynx, anatomy, *1963:* Aug., 1065
biopsy, transoral, *1963:* Aug., 1083
carcinoma, diagnostic problems, *1961:* Aug., 1053, 1055, 1058
fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 948
papillomas, benign, malignant transformation in children after radiation therapy, *1963:* Aug., **1049–1061**
surgery of, anesthesia for, *1963:* Aug., 938
trauma to, *1963:* Aug., 920, 921
during intubation, *1963:* Aug., 925
Lash operation for incompetent cervical os, *1962:* June, 754, 755
Lavage, peritoneal, in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1485
Lecithinase A in pancreatic disease, *1962:* Feb., 260
LeFort operation for uterine prolapse, modification of, *1962:* Aug., 1034
Leg. See also *Extremities, lower.*
fractures, multiple, *1961:* Oct., 1381
nonunion and malunion, *1963:* April, 346
surgical approaches to, anatomical considerations, *1961:* Dec., **1473–1487**
ulcers, *1963:* Oct., **1307–1311**
ischemic, *1963:* Oct., **1263–1270**, 1311
Leiomyoma, gastrointestinal, in Hawaii, *1963:* Oct., 1411
of esophagus, *1961:* June, 786, 788
Leiomyosarcoma, gastrointestinal, in Hawaii, *1963:* Oct., 1411
Leukemia, chemotherapy, *1962:* April, 361
Leukeran in cancer, *1962:* April, 356
Leukopenia, splenectomy for, *1963:* Feb., 222
Leukoplakia, of vocal cords, transoral approach, *1963:* Aug., 1087
Levallorphan, as narcotic antagonist in surgical anesthesia, *1963:* Oct., 1230, 1231
in ophthalmic surgery, *1963:* Oct., 1235
Levator ani, anatomy, *1962:* Aug., 879
Levorphanol (Levo-Dromoran) as narcotic antagonist in surgical anesthesia, *1963:* Oct., 1230, 1231
Ligation, and stripping operation for varicose veins, *1961:* Feb., **235–245**
vs. anticoagulants, in thromboembolism, *1961:* Oct., 1347
Limb salvage angioplasty in arteriosclerotic occlusive disease, *1963:* Feb., **295–309**
Limb-girdle—trunk complex, *1963:* Dec., 1471
Lip, carcinoma, radiation therapy, *1962:* April, 411
Lipase, serum, in pancreatic disease, *1962:* Feb., 260
Lipoidosis, in infancy and childhood, *1961:* Oct., 1304
Lipoma, of colon, in Hawaii, *1963:* Oct., 1410
Lipomul for intravenous feeding, *1962:* Oct., 1141
Liver, anatomy, surgical, *1962:* April, 512
biopsy of, *1962:* April, 441; *1963:* Oct., **1415–1417**
carcinoma, chemotherapy, by single dosage intra-arterial infusion, *1962:* Oct., 1155
perfusion techniques, *1962:* Oct., 1158
incurable, palliative resection for, *1962:* April, 510
metastatic, host factors in development, *1962:* April, 337–348
solitary lobectomy for, *1962:* April, 509
primary, lobectomy for, *1962:* April, 511

Liver (*Continued*)
carcinoma, right hepatic lobectomy for, *1963:* Feb., **63–77**
systemic effects, *1962:* April, 310
cirrhosis, portacaval shunts in, reduction of operative risks, *1962:* Dec., **1499–1508**
effects of distant cancer on, *1962:* April, 323
exploratory technique, *1961:* Feb., 17
injuries, *1963:* April, **433–443**
lesions, androgenism in female due to, *1962:* Aug., 964
resection, for benign and malignant lesions, *1962:* April, **507–518**
of massive metastases in malignant carcinoid syndrome, *1963:* Oct., **1253–1262**
subtotal, *1962:* Oct., **1347–1351**
right lobe, resection of, technical problems and patient management, *1963:* Feb., **63–77**
"soil," and hepatic metastases in cancer, *1962:* April, 338
transplants, experimental, *1963:* Feb., 168
trauma, extensive, lobectomy for, *1962:* April, 508
Lobectomy, for carcinoma of lung, *1963:* Feb., 112, 114, 117, 118
for pulmonary inflammatory disease, *1961:* June, 743
hepatic, for benign and malignant lesions, *1962:* April, **507–518**
right, technical problems and patient management, *1963:* Feb., **63–77**
technique, *1962:* April, 513
Lobotomy, frontal, for intractable generalized pain, *1961:* Oct., 1166
Long bones. See *Bones, long; Femur; Tibia*, etc.
Longmire operation for common duct stricture, *1962:* Oct., 1335
Lorfan. See *Levallorphan.*
Ludwig's angina, associated with trauma to floor of mouth, *1963:* Aug., 926
Lung(s), abscess, surgical treatment, *1961:* June, 731
atelectasis of left lower lobe, as complication of splenectomy, *1962:* Dec., 1518
blast injury, *1961:* June, 626
carcinoma, *1963:* Feb., **109–123**
bronchoscopy and scalene node biopsy in, comparative diagnostic accuracy and hazards, *1961:* Oct., 1237, 1238, 1242
chemotherapy, *1962:* April, 362; *1963:* Feb., 120
choice of operation, *1961:* June, **755–760**
cytologic examination of sputum in, *1961:* Oct., 1234
diagnosis, *1961:* June, 755; *1963:* Feb., 109
Lung (*Continued*)
carcinoma, "diagnostic triad" in, review of problems relating to, *1961:* Oct., **1233–1243**
preoperative evaluation of patient, *1961:* June, 554
radiation therapy, *1962:* April, 412
surgical treatment, *1963:* Feb., 112
adjuvant therapy, *1963:* Feb., 118
systemic effects, *1962:* April, 307
x-ray therapy, pre- and postoperative, *1963:* Feb., 119
selection of patient, *1961:* June, **761–768**
diffusion defects, preoperative evaluation in thoracic surgery, *1961:* June, 563
diseases, management, preoperative, *1963:* June, 660
function, testing, in thoracic surgical patient, *1961:* June, 553, **557–571**
preoperative, *1963:* June, 625
fungus infection, diagnosis, *1961:* June, 729
surgical treatment, *1961:* June, 737
infections, postoperative, *1963:* June, 871–874
infiltration, differential diagnosis, increasing need for precision in, *1961:* June, 729
inflammatory disease, role of surgery in, *1961:* June, **727–745**
injuries, *1961:* June, 620
lymphatic drainage, *1963:* Feb., 115
perfusion defects, preoperative evaluation, in thoracic surgery, *1961:* June, 565
peripheral, removal of straight pin from, simplified transpleural technique, *1963:* Oct., **1419–1424**
resection. See *Pneumonectomy.*
sequestrated lobe, *1961:* June, 731
surgery of, postoperative problems, management, *1963:* June, **727–732**
transplants, experimental, *1963:* Feb., 168
tuberculosis, surgical treatment, *1961:* June, 727, 741
ventilation of, preoperative evaluation in thoracic patient, *1961:* June, 559, 560
Luxation. See *Dislocation.*
Lymph glands, primary tumors of, *1963:* Oct., 1286
Lymph nodes, cervical, fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 946
lateral, removal for thyroidal carcinoma, *1963:* Aug., 1110
dissection of, prophylactic, in malignant disease, *1963:* Feb., **49–61**
frozen section examinations, *1962:* April, 450
mammary, in cancer, extended procedures for, *1962:* April, 497

Lymph nodes (*Continued*)
paratracheal, removal for thyroidal carcinoma, *1963:* Aug., 1109
scalene, biopsy, in carcinoma of lung, *1963:* Feb., 110
Lymphatics of breast, anatomy, *1962:* Aug., 842
Lymphoma, mediastinal, *1961:* June, 677
parapharyngeal, malignant, *1963:* Aug., 1044
radiation therapy, *1962:* April, 416
Lymphosarcoma, chemotherapy, *1962:* April, 361

MAGNUSON procedure, modified for recurrent anterior dislocation of shoulder, indications and technique, *1963:* Dec., **1647–1649**
results following, *1963:* Dec., **1651–1653**
Malnutrition, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
body fluids and, *1961:* Oct., 1151
correction, preoperative, *1963:* June, 657
Mammary tumor agent in mice, *1962:* April, 275
Mammography, surgical appraisal of, *1963:* Oct., **1331–1336**
Mammoplasty, augmentation, with silicone rubber implants, *1963:* Oct., 1315
Management, surgical, problems of, *1961:* Oct., **1141–1432**
Mandible, deformities of, nomenclature, *1963:* Aug., 980
surgical correction, *1963:* Aug., **979–990**
immobilization for bone grafting in completely edentulous mouth, *1963:* Aug., **991–995**
Manipulations, in frozen shoulder, indications, *1963:* Dec., **1715–1720**
in joint disorders, *1961:* Dec., 1614
Mannitol, *1963:* June, 577, **583–588**
dosage, *1963:* June, 586
hypernatremia due to, *1963:* June, 587
in prevention of acute tubular necrosis, *1963:* June, 584
renal and other effects, *1963:* June, 584
vs. urea, *1963:* June, 587
Mannitol mustard in cancer, *1962:* April, 356
Masculinization syndromes in female, diagnostic approach, *1962:* Aug., **961–974**
Mass casualties, threat of, *1963:* April, 330
Massage of heart in cardiac arrest, *1963:* June, 711
Masseteric hypertrophy, benign, *1963:* Oct., **1357–1361**
Mastectomy, radical, *1961:* Feb., **177–187**, Oct., 1223; *1962:* April, 494
choice of operation, *1962:* Aug., 844
Mastectomy (*Continued*)
radical, contraindications, *1962:* Aug., 840
dissection of internal mammary lymph nodes in, *1962:* Aug., 845, 846
end results, *1962:* Dec., **1467–1474**
five-year survival rate, *1962:* Aug., 840
oophorectomy with, *1962:* April, 497
postoperative radiation following, *1962:* April, 496
thio-TEPA with, *1962:* April, 498
simple, *1961:* Oct., 1224
x-ray therapy with, *1962:* Aug., 846
Maylard incision, *1962:* Aug., 1038
McBurney's incision, *1961:* Feb., 96
closure of, *1961:* Feb., 102
McWhirter technique in carcinoma of breast, *1962:* Aug., 846, 855, 858
Meconium ileus, *1963:* June, 694
Mediastinal lymphoma, *1961:* June, 677
Mediastinitis, *1961:* June, 673
Mediastinotomy, for parathyroid adenoma, *1961:* June, **667–668**
Mediastinum, dissection for nodal metastasis from papillary lesions of thyroid, *1963:* Aug., 1112
position of, following pneumonectomy, *1962:* Dec., 1532
surgery of, *1961:* June, 673
tumors, intrathoracic goiter and, differentiation, *1962:* June, 680, 682, 683
Medical Schools of San Francisco, history of, *1962:* Aug., **833–837**
Mediterranean anemia, splenectomy for, *1963:* Feb., 220
Megacolon, diagnosis, in infancy, childhood and adults, *1961:* Aug., **935–950**
Mega-esophagus, *1961:* June, 782, 784
Melanoma, malignant, chemotherapy, by arterial infusion, *1963:* Feb., 32
by perfusion technique, postsurgery, *1963:* Feb., 46
by regional perfusion, *1962:* April, 464
systemic, *1962:* April, 463
diagnosis and current treatment, *1962:* April, **455–467**
lymph node dissection in, prophylactic, *1963:* Feb., **49–61**
of chest wall, *1961:* June, 650
radiation therapy, *1962:* April, 463
surgical excision, *1962:* April, 457
Melena, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
Menstrual disorders in cervical stenosis, *1962:* Aug., 1027
6-Mercaptopurine in cancer, *1962:* April, 358
Merphyrin in carcinoma of stomach, *1962:* Oct., 1150
Mesenchymal tumors, subpleural, *1961:* June, 721
Mesenchymoma of ovary, amenorrhea and, *1962:* June, 744

Mesothelioma, fibrous, localized, *1961:* June, 720
malignant, diffuse, *1961:* June, 720
Metabolic rate, basal, as test of thyroid function, *1962:* Feb., 153
Metabolism, alterations in, following trauma, *1962:* Feb., 80
Metal(s), failure in devices implanted in the body, *1961:* Dec., 1633
investigation of, *1961:* Dec., **1645–1653**
fixation, in tibial fractures, *1961:* Dec., 1571. See also *Nailing, Plates, Screws, Splints.*
Metastases in cancer, host factors influencing development of, *1962:* April, **335–351**
Methicillin, *1963:* June, 876
Methimazole in thyrotoxicosis, *1962:* Feb., 159
Methotrexate, arterial infusion therapy, *1962:* April, 378, June, 816, Oct., 1159; *1963:* Feb., 32
combined with intramuscular citrovorum factor, *1962:* April, 377, June, 816
in cancer therapy, *1962:* April, 358, June, 810, 811
Microradiography, demonstration of osteoid by, in two patients with osteosclerosis, *1961:* Aug., **1087–1098**
Microsurgery, for otosclerotic deafness. See *Otosclerosis, surgery for.*
Microtia, reconstructive surgery for, *1963:* Oct., **1271–1276**
Micturition, physiology, *1961:* Oct., 1401
newer thoughts on, *1962:* Aug., 889
Mikulicz resection for meconium ileus, *1963:* June, 694, 695
Mikulicz's disease, *1963:* Oct., 1288, 1290
Miller-Abbott tube in intestinal obstruction, *1962:* Oct., 1291
Mitomycin C, in carcinoma of stomach, *1962:* Oct., 1150
Mitral atresia, *1961:* April, 423
closed operation for, *1961:* April, 346
Mitral insufficiency, hemodynamic features, *1961:* April, 277
Mitral regurgitation with mitral stenosis, *1961:* April, 450
Mitral stenosis, calcium depositions in, *1961:* April, 458
congenital, *1961:* April, 422
gallstones with, *1961:* April, 459
hemodynamic features, *1961:* April, 277
renal insufficiency and, *1961:* April, 459
rheumatic, surgery of, anesthesia for, *1961:* April, 332
surgical treatment, *1961:* April, **445–462**
Mitral valvular disease, cardiac catheterization in, *1961:* April, 276
Mitral valvulotomy, *1961:* April, **445–462**
Monitoring, cardiorespiratory, in operations on head and neck, *1963:* Aug., 930
Moore's formula for estimating fluid loss in burns, *1963:* April, 500
Morbidity and mortality rates, in standard operations, methods of improving, symposium on, *1962:* Dec., **1385–1617**
Morgagni's foramen, herniation through, *1962:* Oct., 1187
Morphine, for wounded persons, *1963:* June, 616
overuse, after operation, *1963:* June, 615
poisoning, delayed, *1963:* June, 615
preanesthetic use, *1963:* June, 615
Motion, physiology of, in joints, *1961:* Dec., 1607
Motor complications, following cordotomy, *1962:* Dec., 1580
Mouth, carcinoma, chemotherapy by perfusion, *1962:* April, 397
cure without major deformity and morbidity by use of radon or resection and neck dissection, *1962:* Dec., **1605–1617**
etiology and diagnosis, *1963:* Aug., 1014
full jaw-neck operation for, *1962:* Dec., 1613
management of surgical defects, *1963:* Aug., 1019
neck dissection for, *1962:* Dec., 1607
recurrence after, *1963:* Aug., 1006
radiation therapy, *1962:* April, 411; *1963:* Aug., 1020
radon implantation, *1962:* Dec., 1606
surgical management, *1963:* Aug., **1003–1011**
radical, *1963:* Aug., 1005, 1008, 1010, **1013–1022**
types of lesions, *1963:* Aug., 1013
floor of, trauma to, Ludwig's angina associated with, *1963:* Aug., 926
fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 948
gag, Davis, in tonsillectomy, *1961:* Feb., 216, 217
mucosa, carcinoma of, prophylactic lymph node dissection in, *1963:* Feb., **49–61**
Mucous membrane, oral, frozen section examinations, *1962:* April, 452; *1963:* Aug., 944
Muscle(s), evaluation in fracture case, *1961:* Dec., 1456
of anorectal region, *1962:* Aug., 879, 891, 892
of glenohumeral joint, *1963:* Dec., 1474
of perineum, *1962:* Aug., 878
recent thoughts on, *1962:* Aug., 891
of rotator cuff, *1963:* Dec., 1507
of scapula, *1963:* Dec., 1474
Musculoskeletal disorders of shoulder causing cervicobrachial pain, differential diagnosis and treatment, *1963:* Dec., **1703–1714**
Musculoskeletal system, evaluation in fracture case, *1961:* Dec., 1455

Mustargen in cancer, *1962:* April, 354
Myasthenia, in bronchogenic carcinoma, *1962:* April, 309
in thymic tumors, *1962:* April, 306
Myasthenia gravis, *1961:* June, 667
thymectomy for, *1961:* Feb., 168; *1962:* June, 628
Myeloblastoma, of vocal cords, transoral approach, *1963:* Aug., 1090
Myeloid metaplasia, splenectomy for, *1963:* Feb., 220
Myeloma, multiple, chemotherapy, *1962:* April, 361
Myleran in cancer therapy, *1962:* April, 356
Myocardial infarction after cardiovascular surgery, *1961:* April, 313
Myoma(s), of uterus, and infertility, *1962:* June, 756
hysterectomy for, *1961:* Feb., 153
Myopathy in hypernephroma, *1962:* April, 315
Myositis, nonclostridial, gas gangrene and, differentiation, *1963:* April, 514
obliterans, in fracture-dislocations of humeral head, *1963:* Dec., 1595
Myotomy for achalasia of esophagus, *1961:* June, 780, 781
Myxedema following thyroidectomy, *1962:* June, 674, 676

NAFCILLIN, *1963:* June, 876
Nailing, intramedullary, in fractures of tibia, *1961:* Dec., 1531–1543
Nalorphine (Nalline), as narcotic antagonist in surgical anesthesia, *1963:* Oct., 1230, 1231
Narcotic antagonists, in surgical anesthesia, *1963:* Oct., 1230
Narcotics, postoperative, overuse of, *1963:* June, 615
vs. sedatives, *1963:* June, 616
Nasal intubation, blind, alphaprodine in, *1963:* Oct., 1240
Nasogastric tube, feeding by, *1962:* Oct., 1143
Nasopharynx, biopsy of, *1962:* April, 440
carcinoma, chemotherapy, *1962:* June, 812, 813
radiation therapy, *1962:* April, 410
Navicular bone. See *Scaphoid.*
Neck. See also *Spine, cervical.*
and head. See under *Head.*
burns, scar contractures in, surgical correction, *1961:* Oct., **1169–1176**
carcinoma, *1962:* April, **469–479**
arterial infusion chemotherapy, *1962:* April, 380
radical dissection for, rationale and technique, *1961:* Feb., **189–199**
diagnostic problems in, unusual, *1961:* Aug., **1069–1075**
dissection, in carcinoma of mouth and tongue, *1962:* Dec., 1607–1613; *1963:* Aug., 1018
radical, bilateral, *1963:* Aug., 1008
Neck (*Continued*)
dissection, radical, incision for, *1962:* Dec., 1599, 1609
provision for skin coverage, *1962:* Dec., 1600
technique, with special emphasis on prevention of infection, *1962:* Dec., **1595–1603**
unilateral, for intraoral carcinoma, *1963:* Aug., 1005
examination of, *1962:* June, 613
fractures and dislocations, *1961:* Oct., **1357–1366**
lymph nodes, fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 946
surgery of, diagnostic problems in, *1961:* Aug., **1049–1059**
tumors, diagnostic problems, *1961:* Aug., **1049–1059**
unusual, *1961:* Aug., **1069–1075**
differential diagnosis, *1962:* June, **613–621**
secondary, *1963:* Oct., 1286
wrinkles and redundant tissues, surgical removal, *1963:* Aug., **963–972**
Necrosis, aseptic, of bone, following fractures and dislocations, *1961:* Dec., **1701–1720**
papillary, renal, *1961:* Aug., **1033–1041**
tubular, acute, management, *1963:* April, **555–568**
Needle, Brizzi, for cordotomy, *1962:* Dec., 1576
Neoplasia. See also *Tumors.*
ectopia, *1962:* April, 296
Nephrectomy, for renal hypertension, *1962:* Feb., 119
partial, indications, clinical evaluation and technique, *1963:* Oct., **1337–1342**
Nerves. See also specific names.
evaluation in fracture case, *1961:* Dec., 1455
injuries, in fractures and dislocations of shoulder, treatment, *1963:* Dec., **1685–1689**
of glenohumeral joint, *1963:* Dec., 1480
of neck, management, in radical dissections, *1961:* Feb., 194
paralysis following thyroidectomy, *1962:* June, 674, 676
sensory, of head and neck, *1963:* Aug., 951
Nervous system, central, evaluation in fracture case, *1961:* Dec., 1454
Neuralgia, facial, atypical, diagnosis and treatment, *1963:* Aug., 958
geniculate, *1963:* Aug., 956
glossopharyngeal, diagnosis and treatment, *1963:* Aug., 955
migraine and migrainous, *1963:* Aug., 959
postherpetic, diagnosis and treatment, *1963:* Aug., 958
superior laryngeal, *1963:* Aug., 956
trigeminal, diagnosis and treatment, *1963:* Aug., 954
tympanic-plexus, *1963:* Aug., 956

Neurilemmoma, of cervical region, *1961:* Aug., 1071, 1072
parapharyngeal, *1963:* Aug., 1041
Neuroblastoma, in infancy and childhood, evaluation and management, *1961:* Oct., 1300
Neurofibroma, of cervical region, *1961:* Aug., 1072
of vocal cords, transoral approach, *1963:* Aug., 1090
Neurogenic tumors, extrapulmonary, *1961:* June, 677
Neurological causes of cervicobrachial pain, *1963:* Dec., **1679–1684**
Neuromuscular system, effects of tumors on, *1962:* April, 318
Neurosurgery, alphaprodine in, *1963:* Oct., 1235
hypothermia in, *1962:* Feb., 72
Nisentil. See *Alphaprodine.*
Nitrogen mustards, effect on wound healing, *1962:* Feb., 26
in cancer, *1962:* April, 354, June, 810
of breast, *1962:* Aug., 870
of colon and rectum, *1962:* Oct., 1161
of lung, adjuvant to surgery, *1963:* Feb., 120
of stomach, *1962:* Oct., 1152
Nitrogen wash-out time in evaluation of pulmonary function, *1961:* June, 560, 562
Nitrous oxide anesthesia, *1963:* June, 644
Nodules, of vocal cords, transoral approach, *1963:* Aug., 1086
thyroid, evaluation of, *1962:* June, **655–665**
Nomogram(s), breathing, *1961:* June, 595
for computing body surface area, *1961:* June, 615
Nose, collapse of septal support, correction with silicone rubber implant, *1963:* Oct., 1318
Notch view in recurrent projection of shoulder, *1963:* Dec., 1641
Nucleic acids in wound healing, *1962:* Feb., 20
Nursing units, special care, in thoracic surgery, *1961:* June, 604
Nutrients, routes for supplying, *1962:* Oct., 1139
Nutrition, and hepatic metastases in cancer, *1962:* April, 342
in gastrointestinal surgery, *1962:* Oct., **1135–1146**
in severe burns, *1962:* Feb., 87
in trauma, *1962:* Feb., 85

OBESE patient, abdominal hysterectomy in, *1962:* Aug., **941–946**
Obesity, correction, preoperative, *1963:* June, 659
Obstetrics, alphaprodine in, *1963:* Oct., 1239
Obstetrics (*Continued*)
episioproctotomy in, *1962:* Aug., **947–954**
paracervical block in, *1962:* Aug., **927–931**
progress in, symposium on, *1962:* Aug., **833–1062**
Obstruction, at anastomotic site, as cause of mortality in subtotal gastrectomy for ulcer, *1962:* Dec., 1419
Oddi's sphincter. See *Sphincter of Oddi.*
Oliguria, acute, circumstances leading to, *1963:* April, 556
from renal failure, management, *1963:* April, **555–568**
in acute circulatory failure, treatment, *1963:* April, 487
postoperative, *1963:* June, 815
Omphalocele, management, *1963:* June, 696
Oncogenetics, *1962:* April, **289–303**
Oophorectomy for carcinoma of breast, *1961:* Oct., 1226; *1962:* June, 697, Aug., 866
radical mastectomy with, *1962:* April, 497
Operation(s), common, refinements in technique, symposium on, *1961:* Feb., **1–257**
indications for, in fracture cases, *1961:* Dec., 1458–1461, 1490, 1515–1529, 1531, 1546, 1571
preparation for, *1963:* June, **651–664**
standard, methods of improving morbidity and mortality rates in, symposium on, *1962:* Dec., **1385–1617**
Ophthalmic surgery, alphaprodine and levallorphan in, *1963:* Oct., 1235
Oral. See *Mouth.*
Organs, procurement and storage, problems in, *1962:* Feb., 57
transplantation, future of, *1963:* April, 334
progress and problems in, *1963:* Feb., **163–177**
surgical physiology of, *1962:* Feb., **55–67**
Oropharyngeal airway in postoperative ventilatory failure, *1963:* June, 632
Oropharynx, biopsy of, *1962:* April, 440
carcinoma, radiation therapy, *1962:* April, 411
chemotherapy by perfusion, *1962:* April, 397
surgery of, anesthesia for, *1963:* Aug., 938
Orthopedic management: principles and alternative techniques, symposium on, *1961:* Dec., **1451–1728**
Os uteri, incompetent, external scarification procedure for, experiences with, *1962:* Aug., **955–959**
infertility and, *1962:* June, 754
Osteoarthritis, glenohumeral, replacement arthroplasty for, *1963:* Dec., 1589, 1590
Osteochondritis of spine, *1963:* April, 360

Osteoid, demonstration by microradiography in two patients with osteosclerosis, *1961:* Aug., **1087–1098**
Osteomyelitis, following fractures of long bones, recent advances in treatment, *1961:* Dec., **1593–1605**
Ostium primum, persistent, surgical treatment, *1961:* April, 403; *1963:* Feb., 140
Ostium secundum defect, surgery of, *1963:* Feb., 139
Otosclerosis, pathology, *1963:* Oct., 1203
surgery for, *1963:* Oct., **1203–1215**
late care, *1963:* Oct., 1213
reconstruction of ossicular chain, *1963:* Oct., 1210
Ovalocytosis, hereditary, splenectomy for, *1963:* Feb., 218
Ovarian vein, varicocele of, *1962:* Aug., **975–983**
Ovary, carcinoma, chemotherapy, *1962:* April, 361
radiation therapy, *1962:* April, 413
cysts, in endometriosis, *1961:* Aug., 1011
infertility due to, treatment, *1962:* June, 761
endometriomas, *1961:* Aug., 1011
polycystic disease of, amenorrhea and, *1962:* June, 742
infertility due to, treatment, *1962:* June, 761
problems in surgical management, *1961:* Oct., **1389–1399**
virilism in, *1962:* Aug., 965, 967
surgical diseases, diagnosis, *1962:* June, 583, 586
landmarks in history of, *1962:* June, 576
tumors, amenorrhea and, *1962:* June, 743
androgenism in female due to, *1962:* Aug., 965, 971
hysterectomy for, *1961:* Feb., 154
in endometriosis, *1961:* Aug., 1011
Oxacillin, *1963:* June, 876
Oxygen, in chemical peritonitis, *1962:* Oct., 1106
therapy, postoperative, *1963:* June, 630

PAIN, abdominal, extra-abdominal causes, *1962:* Feb., 247
in diagnosis of acute abdominal disease, *1962:* Feb., 246
physiology of, *1962:* Feb., **241–248**
as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
central pathways, surgery of, *1963:* Aug., 959
cervicobrachial. See also *Shoulder, painful.*
causes, differential diagnosis, *1963:* Dec., 1680

Pain (*Continued*)
cervicobrachial, causes, musculoskeletal disorders of shoulder, diagnosis and treatment, *1963:* Dec., **1703–1714**
neurological, *1963:* Dec., **1679–1684**
psychiatric, *1963:* Dec., **1691–1695**
vascular, *1963:* Dec., **1697–1701**
control, in frostbite, *1963:* April, 532
craniocervical, cervical roots and, *1963:* Aug., 956
craniofacial, anatomy of, *1963:* Aug., 951
pharmacology of, *1963:* Aug., 953
experimental and pathological, differences, *1963:* June, 611
in acute pancreatitis, *1962:* Dec., 1493
intractable, generalized management, *1961:* Oct., 1166
surgical relief of, *1961:* Oct., **1159–1167**
postoperative, *1963:* June, **609–618**
reaction component, *1963:* June, 612
referred, *1962:* Feb., 245
somatic (parietal), *1962:* Feb., 245
study of, quantitative approach, *1963:* June, 609
syndromes, cranial and facial, diagnosis and treatment, *1963:* Aug., 953
mechanisms, diagnosis, management, *1963:* Aug., **951–961**
visceral, physiology of, *1962:* Feb., 243
referred to shoulder, *1963:* Oct., 1303
Palate, fungating growths in, *1961:* Aug., 1053
Pancreas, abscess, surgery of, for pancreatitis, *1963:* Feb., 205
biopsy of, *1962:* April, 441
carcinoma, chemotherapy, *1962:* April, 363
diagnosis, serum enzymes in, *1962:* Feb., 253
islet cell, *1962:* June, 712
surgical treatment, *1962:* Oct., 1354
cysts, surgery of, for pancreatitis, *1963:* Feb., 204
diseases, diagnosis, *1962:* June, 583, 586
errors in, *1963:* June, 756
serum enzymes in, *1962:* Feb., 258
landmarks in history of, *1962:* June, 573
enzymes of, *1962:* Feb., 203
exploratory technique, *1961:* Feb., 19
fistula, postoperative, *1963:* June, 759
function, and peptic ulcer, *1962:* Feb., 194, 195, 211
head, carcinoma, diagnosis and surgical treatment, *1961:* Aug., **963–977**
heterotopic, *1963:* June, 761
injury to, as complication of splenectomy, *1962:* Dec., 1518
insufficiency, *1963:* June, 762
metabolic importance, *1962:* Feb., 208

Pancreas (*Continued*)
physiology of, surgical, *1962:* Feb., **203–218**
resection, near-total, for pancreatitis, *1963:* Feb., 208
subtotal, for pancreatitis, *1963:* Feb., 207
ecretion, external, *1962:* Feb., 205
of electrolytes and enzymes, *1962:* Feb., 208
sensory denervation, for pancreatitis, *1963:* Feb., 204
sphincterotomy, for pancreatitis, *1963:* Feb., 207
surgery of, complications, *1963:* June, **755–764**
tumors, insulin-secreting, diagnosis and differential diagnosis, *1963:* Feb., 81
laboratory study, *1963:* Feb., 87
progress in surgical treatment, *1963:* Feb., **79–97**
islet cell, and hyperinsulinism, *1962:* June, **709–720**
operative procedures, *1962:* June, 716
functioning, dilemmas in diagnosis and surgical management, *1961:* Aug., **951–962**
indications for exploratory operations, *1962:* June, 715
systemic effects, *1962:* April, 312
ulcerogenic, *1963:* Oct., **1343–1348**
Pancreatectomy, caudal, for pancreatitis, *1963:* Feb., 207
current status, *1962:* Oct., **1353–1368**
for islet cell tumors with hyperinsulinism, *1962:* June, 717
near-total, for pancreatitis, *1963:* Feb., 208
Pancreatic ducts, exploration, in pancreatitis, *1963:* Feb., 206
ligation, for pancreatitis, *1963:* Feb., 208
Pancreaticoduodenal carcinoma, *1962:* Oct., 1354
Pancreaticoduodenectomy, drainage of common duct prior to, *1962:* Oct., 1359
for pancreatitis, *1963:* Feb., 207
gastroenteric reconstruction after, *1962:* Oct., 1355, 1356
indications and technique, *1962:* Oct., **1353–1368**
Pancreaticojejunostomy, technique, *1961:* Feb., **83–89**
Pancreatitis, acute, after biliary surgery, *1963:* June, 748
after gastric surgery, *1963:* June, 768
after partial pancreatic resection, *1963:* June, 758
calcium metabolism in, *1962:* Feb., 210
causes of death in relation to treatment, *1962:* Dec., 1495
diagnosis, *1962:* Dec., 1490, 1491
Pancreatitis (*Continued*)
acute, hemorrhagic, and necrosis, associated with choledochal sphincterotomy, *1961:* Aug., **979–990**
management, *1962:* Dec., **1489–1497**; *1963:* Feb., 201
physiology of, *1962:* Feb., 209
ulcerative, with massive hemorrhage following choledochostomy, *1961:* Aug., **991–994**
as cause of mortality in subtotal gastrectomy for ulcer, *1962:* Dec., 1423
chronic, recurrent, surgery for, *1961:* Feb., **83–89**; *1962:* Oct., 1361
operations for, *1963:* Feb., **201–212**
pathophysiology, *1963:* Feb., 201
postcholecystectomy, *1961:* Aug., 1002
postoperative, *1962:* Dec., 1494
traumatic, complications, *1963:* April, 402
diagnosis and treatment, *1963:* April, **401–411**
with rupture of duodenum, *1963:* April, 420
Pancreatojejunostomy for pancreatitis, *1963:* Feb., 207
Papanicolaou smear, importance, in annual physical examination, *1962:* April, 442
positive, management of patient with, *1961:* Aug., **1025–1031**
Papilla of Vater, carcinoma, diagnosis, *1961:* Aug., 966
Papillitis, necrotizing, of kidney, *1961:* Aug., **1033–1041**
Papillomas, laryngeal, benign, malignant transformation in children after radiation therapy, *1963:* Aug., **1049–1061**
of vocal cords, transoral approach, *1963:* Aug., 1084
Paracentesis, abdominal, in ruptured spleen, *1963:* April, 452
Paracervical block, in obstetrics and gynecology, *1962:* Aug., **927–931**
technique and armamentarium, *1962:* Aug., 927
Paraganglioma, *1962:* April, 545–551
hypertension in, surgical physiology, *1962:* Feb., 97
Paralysis, facial, following head and neck surgery, *1963:* Aug., 924
of vocal cords, transoral approach, *1963:* Aug., 1088
Parapharyngeal tumors, *1963:* Aug., **1041–1047**
Paraplegia, decubitus ulcers in, surgical treatment, *1963:* Feb., 249
following heart surgery, *1963:* June, 738
Parathyroid gland(s), adenomas, *1961:* Aug., **1061–1068**; *1962:* June, **633–638**
aberrant locations, *1961:* Aug., 1062
mediastinotomy for, *1961:* June, **667–668**

Parathyroid gland(s) (*Continued*)
adenomas, multiple involvement, *1961:* Aug., 1064
adenomatosis, *1961:* Aug., 1066
anatomy, *1962:* Feb., 171
carcinoma, *1961:* Aug., 1067; *1963:* Aug., 1120
report of case, *1963:* Aug., **1123–1127**
cyst, *1961:* Aug., 1074
fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 947
function and disturbances, *1962:* Feb., **171–183**
lesions of, problems arising from, *1963:* Aug., 1119
primary chief-cell hyperplasia, *1961:* Aug., 1066
primary or Wasserhelle-cell hyperplasia, *1961:* Aug., 1065
surgical diseases, diagnosis, *1962:* June, 583, 585
landmarks in history of, *1962:* June, 572
transplants, *1963:* Feb., 173
tumors, *1963:* Oct., 1284
Parathyroid hormone, actions of, *1961:* Oct., 1201
Paré, Ambroise, *1963:* April, 318, 319
Parenteral feeding, *1962:* Oct., 1140, 1142
Parotid gland, cylindroma, *1961:* Aug., 1050
fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 948
Parotid region, hemangiopericytomas of, *1961:* Aug., 1052
Parotidectomy, facial nerve in, *1963:* Aug., **973–977**
indications for, *1963:* Aug., 974
Patella, fracture of, associated with femoral fracture, *1961:* Oct., 1382
Patent ductus arteriosus. See *Ductus arteriosus.*
Pectus excavatum, *1961:* June, 641
etiology, *1961:* Oct., 1272
surgical correction, *1961:* Oct., **1271–1279**
symptoms and effects, *1961:* Oct., 1273
Pelvic cancer, arterial infusion chemotherapy, results, *1962:* April, 380
perfusion chemotherapy, *1962:* April, 397
Pelvic cavity, management following pelvic exenteration, *1962:* Dec., 1590
Pelvic exenteration. See *Exenteration.*
Pelvic inflammatory disease, hysterectomy for, *1961:* Feb., 154
Pelvic surgery, complications, *1963:* June, **789–810**
Pelvic varicose veins and varicocele, *1962:* Aug., **975–983**
Pelvis, exploratory technique, *1961:* Feb., 20
Penicillin(s), *d*-aminobenzyl, *1963:* June, 877
Penicillin(s) (*Continued*)
in management of cavity following pelvic exenteration, *1962:* Dec., 1590
in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1485
new, *1963:* June, 876
Pentothal anesthesia, *1963:* June, 648
Peptic esophagitis, *1961:* June, 777
Peptic ulcer. See also *Duodenum, ulcer,* and *Stomach, ulcer.*
cortisone-induced, *1962:* Feb., 196
hemorrhage in, in aged, emergency surgery for, *1963:* Feb., 263
intragastric cooling in, *1962:* Oct., 1175, 1176
in hyperparathyroidism, *1961:* Oct., 1203
islet cell tumor of pancreas and, *1962:* April, 312
of stomach, subtotal gastrectomy for, *1961:* Feb., **27–36**
pancreatic function and, *1962:* Feb., 194, 195, 211
perforation of, biopsy in, *1962:* April, 442
in aged, emergency surgery for, *1963:* Feb., 265
pain in, *1962:* Feb., 247
peritonitis due to, *1962:* Oct., 1102
management, *1962:* Oct., 1106
surgical management, *1961:* Feb., **37–42**
physiology of gastric secretion and, *1962:* Feb., **185–201**
subtotal gastrectomy for, *1962:* Dec., **1419–1429**
Perforation(s), of alimentary tract, peritonitis secondary to, management, *1962:* Dec., **1481–1487**
of peptic ulcer. See under *Peptic ulcer.*
Perianus, carcinoma, epidermoid squamous cell, *1962:* Oct., **1235–1241**
Periarthritis of shoulder, natural history, *1963:* Dec., 1515
Pericardiectomy, in recurrent idiopathic pericarditis, *1963:* Oct., **1323–1329**
Pericarditis, acute and chronic, with and without effusion, *1961:* April, **439–444**
constrictive cardiac catheterization in, *1961:* April, 282
surgical treatment, *1961:* April, 442
anesthesia for, *1961:* April, 331
idiopathic, recurrent, pericardiectomy in, *1963:* Oct., **1323–1329**
Perineal body, anatomy of, in female, *1962:* Aug., 887
in male, *1962:* Aug., 885
Perineal pouch, contents of, in female, *1962:* Aug., 887
in male, *1962:* Aug., 884
Perineotomy, complete, *1962:* Aug., **947–954**
Perineum, anatomy of, surgical, *1962:* Aug., **877–893**

Perineum (*Continued*)
anatomy of, surgical, newer thoughts on, *1962:* Aug., 888
Peritoneal dialysis in acute renal failure, *1963:* June, **883–896**
Peritoneal lavage, in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1485
Peritoneal surface, prevention of cancer at operation, *1962:* Oct., 1153
Peritonitis, appendiceal, *1961:* Feb., 101
bacterial, *1962:* Oct., 1103, 1110
bile, *1961:* Feb., 55
following biliary surgery, *1963:* June, 751
chemical, *1962:* Oct., 1102, 1106
postoperative, *1963:* June, 875
in colon surgery, *1963:* June, 777
in pelvic surgery, *1963:* June, 807
with obstruction, *1963:* June, 847
secondary to perforation of alimentary tract, causes and management, *1962:* Dec., **1481–1487**
shock in, mechanism and management, *1962:* Oct., **1101–1113**
Peroneal nerve, surgical approach to, *1961:* Dec., 1483
Pfannenstiel incision, *1962:* Aug., 1038
Pharyngo-esophageal diverticula, *1963:* Aug., **1165–1169**
Pharynx, trauma to, *1963:* Aug., 920
Phenindione in blood vessel surgery, *1961:* Feb., 251
Phenylalanine mustard, arterial infusion, for melanoma, *1963:* Feb., 32
Pheochromocytoma, *1962:* April, 545–551
diagnosis, *1962:* April, 547, June, 582, 584
hypertension in, surgical physiology, *1962:* Feb., 97
surgical treatment, 10 years' experience with 15 cases, *1962:* June, **721–732**
Phlebitis, postoperative, *1963:* June, **827–838**
Phlebothrombosis, *1961:* Oct., 1344
pathogenesis and treatment, *1961:* April, **511–516**
Phlegmasia cerulea dolens, diagnosis, *1961:* Oct., 1346
treatment, *1961:* Oct., 1352
Phonocardiography, in diagnosis of heart disease, *1961:* April, 271
Phosphatase, acid, in carcinoma of prostate, *1962:* Feb., 252
alkaline, in hepatobiliary disease, *1962:* Feb., 256
Phosphorus, metabolism, *1962:* Feb., 172
tubular reabsorption, in hyperparathyroidism, *1961:* Oct., 1205
Physical examination in evaluation of patient for thoracic surgery, *1961:* June, 549
Physicians, dangerous, *1963:* April, 335
Physiologic derangement, postcholecystectomy, *1961:* Aug., 1003
Physiology, applied, in surgical disease, symposium on, *1962:* Feb., **1–265**
of abdominal pain, *1962:* Feb., **241–248**
of burns, *1962:* Feb., 81
of fluid and electrolyte imbalance, *1962:* Feb., **35–54**
of gastric secretion as it applies to peptic ulcer, *1962:* Feb., **185–201**
of hypothermia, *1962:* Feb., **69–77**
of intestinal strangulation obstruction, *1962:* Feb., **219–229**
of motion in joints, *1961:* Dec., 1607
of parathyroid glands and their disturbances, *1962:* Feb., **171–183**
of thyroid disease, *1962:* Feb., **151–169**
of wound healing, *1962:* Feb., **15–34**
surgical, of hypertension, *1962:* Feb., **91–107**
of pancreas, *1962:* Feb., **203–218**
of shock, *1962:* Feb., **3–13**
of transplantation of tissues and organs, *1962:* Feb., **55–67**
of trauma, *1962:* Feb., **79–90**
Physiotherapy, of joints, principles, *1961:* Dec., 1612
Pigeon chest, *1961:* June, 641
Pilonidal sinus disease, *1962:* June, **787–792**
operative technique, *1962:* June, 789, 790
Pin, straight, removal from peripheral lung, simplified transpleural technique, *1963:* Oct., **1419–1424**
Ping-pong ball fracture of skull, *1961:* Oct., 1256
Pins for old unreduced dislocation of shoulder, *1963:* Dec., 1675, 1677
Pitressin. See *Vasopressin.*
Pituitary gland, adenomas, roentgen treatment, dosages, *1962:* June, **603–611**
and hepatic metastases in cancer, *1962:* April, 345
lesions, androgenism in female due to, *1962:* Aug., 962
surgical diseases, landmarks in history of, *1962:* June, 570
tumors, diagnosis, *1962:* June, 581, 582
Placenta, pathology of, in postmaturity, *1962:* Aug., 897
Plasmin, in thromboembolism, *1961:* Oct., 1350
Plateau, lateral, of tibia, surgical approach to, *1961:* Dec., 1478
Plates, for tibial fractures, *1961:* Dec., 1552
Pleura, infections, physiology, basic, *1961:* June, 681
tumors, primary, *1961:* June, **719–726**
Pleural effusions, malignant, partial pleurectomy for, *1963:* Feb., **99–108**
talc poudrage in treatment, *1962:* Dec., **1521–1526**
Pleurectomy, partial, for malignant pleural effusions, *1963:* Feb., **99–108**

Pneumatocele, suction drainage, intracavitary, *1961:* June, 706
Pneumoencephalography, alphaprodine in, *1963:* Oct., 1236
Pneumonectomy, for carcinoma of lung, *1961:* June, 757, 758; *1963:* Feb., 112, 116
methods of improving morbidity and mortality rates, *1962:* Dec., **1527–1536**
postoperative care, *1962:* Dec., 1532
precautions during operation, *1962:* Dec., 1528
preoperative preparation, *1962:* Dec., 1528
pulmonary hypertension after, assessment and management, *1963:* Feb., 126, 128, 129
Pneumonia, complicating ruptured spleen, *1963:* April, 454
postoperative, *1963:* June, 871, 873
staphylococcal, diagnosis, *1961:* June, 698
treatment, surgical considerations, *1961:* June, **695–707**
Pneumonitis, aspiration, due to epiphrenic diverticula, *1961:* Aug., 867
Pneumothorax, following head or neck injury, *1963:* Aug., 922
following lung surgery, *1963:* June, 728
open, in chest injuries, *1961:* June, 620
"spontaneous," surgery in, indications, *1961:* June, **709–717**
tension, in cardiovascular injuries, management, *1961:* April, 493
in chest injuries, *1961:* June, 624
Polycythemia, in cancer, *1962:* April, 321
of kidney, *1962:* April, 314
of liver, *1962:* April, 310
Polyoma virus, animal studies, *1962:* April, 276, 277
Polyps, and polypoid lesions of large bowel, surgical considerations, *1962:* Dec., **1451–1465**. See also under *Intestine, large.*
colonic, in Hawaii, *1963:* Oct., 1402
endometrial, associated gynecologic disease, *1962:* Aug., 1019
clinical aspects, *1962:* Aug., **1013–1023**
dilatation and curettage in, *1962:* Aug., 1017
fertility and, *1962:* Aug., 1018
life history and, *1962:* Aug., 1021
esophageal, *1961:* June, 785, 786
of colon, cancer and, *1962:* Oct., 1078, 1219
logic or fantasy, *1962:* Oct., **1077–1080**
of vocal cords, transoral approach, *1963:* Aug., 1084
Popliteal artery, injuries, in fractures and dislocations, *1961:* Aug., **1087–1098**
space, surgical approach to, *1961:* Dec., 1486
Portacaval shunt(s). See under *Shunt(s).*
Portal hypertension. See under *Hypertension.*
Postcardiotomy syndrome, *1961:* April, 456
Postcholecystectomy syndrome, *1961:* Aug., **995–1005**
Postcoital test in infertility, *1962:* June, 750
Postgastrectomy syndrome, newer concepts, *1963:* Feb., 272
Postmaturity, fetal, *1962:* Aug., **895–907**
as cause of fetal deaths, *1962:* Aug., 896, 903
diagnosis and treatment, *1962:* Aug., 904, 905
placental pathology in, *1962:* Aug., 898
Postoperative care, in chest surgery, *1961:* June, **603–617**
in heart surgery, open, *1961:* Oct., 1245–1254
Postoperative complications, symposium on, *1963:* June, **575–904**
Postoperative patient, ventilatory failure in, *1963:* June, **619–636**
Postoperative period, early, fluids and electrolytes in, *1962:* Feb., 45
Postphlebitic sequelae, *1961:* Oct., 1353
Posture, as cause of painful shoulder, *1963:* Oct., 1383
disturbances, causing cervicobrachial pain, *1963:* Dec., 1703
in control of edema of lower extremities, physiologic principles, *1962:* Feb., **141–149**
Potassium, deficits, diagnosis and treatment, *1961:* Oct., 1154
depletion, *1962:* Feb., 41
in blood and urine, normal, *1962:* Feb., 40
serum, in acute tubular necrosis, *1963:* April, 561
Pott, Percivall, *1963:* April, 318, 320
Poudrage, talc, in pleural effusion due to cancer, *1962:* Dec., **1521–1526**
Pregnancy, anorexia nervosa with, report of case, *1962:* Aug., **921–925**
date of confinement, determining, *1962:* Aug., 895
duration of, average, *1962:* Aug., 899
mitral commissurotomy during, *1961:* April, 459
postmature, problem of, *1962:* Aug., **895–907**
stress fracture of ribs associated with, *1962:* Aug., **909–919**
Prematurity, correlation with congenital esophageal atresia, *1961:* Oct., 1283
Preoperative antibiotics, *1963:* June, **665–676**
Preoperative preparation, adequate, what constitutes, *1963:* June, **651–664**
Pressure bandage, in leg ulcers due to vascular insufficiency, *1963:* Oct., 1308
Pressure in control of edema of lower extremities, physiologic principles, *1962:* Feb., **141–149**

Private clinic surgery in U.S.A., symposium on, *1963:* Oct., **1201–1431**
Procaine in calcareous tendinitis, *1961:* Dec., 1724, 1725
Procidentia. See *Prolapse.*
Prolapse of uterus, treatment in aged women, *1962:* Aug., **1033–1047**
Propylthiouracil in thyrotoxicosis, *1962:* Feb., 159
Prostate, carcinoma, chemotherapy, *1962:* April, 362
diagnosis serum enzymes in, *1962:* Feb., 252
hormonal treatment, *1962:* April, 359
radiation therapy, *1962:* April, 415
with metastases, *1962:* June, **771–777**
hypertrophy, bladder neck obstruction due to, evaluation of symptoms, *1962:* June, **765–770**
surgical complications arising in, *1963:* June, 824
Prostheses, for replacement of aneurysm of abdominal aorta, *1962:* Dec., 1559
for total aortic valve replacement, *1962:* Dec., 1537
in surgery of hip, late complications, *1961:* Dec., **1633–1643**
medullary stem, insertion of, in femoral head replacement, *1961:* Dec., 1626
metallic failure in, *1961:* Dec., 1633, **1645–1653**
plastic fabric, for aortic bypass, *1961:* June, 815
Teflon, for total aortic valve replacement, *1962:* Dec., 1537
Prosthetic replacement of femoral head, *1961:* Dec., **1619–1631**. See also under *Femur.*
Prosthodontic rehabilitation, after jaw resection, *1963:* Aug., **997–1001**
Protein-bound iodine determinations as test of thyroid function, *1962:* Feb., 153
Proteins, in wound healing, *1962:* Feb., 19
intravenous feeding, *1962:* Oct., 1142
plasma, abnormal enteric loss, in gastrointestinal disease, *1962:* Oct., **1125–1133**
measurements, *1962:* Oct., 1126
requirements, in gastrointestinal surgery, *1962:* Oct., 1138
synthesis, by pancreas, *1962:* Feb., 208
Pseudarthroses following fractures of tibia, *1961:* Dec., **1567–1577**
Pseudoalleles, *1962:* April, 289
Pseudocysts of pancreas, surgery of, for pancreatitis, *1963:* Feb., 204
Pseudosarcoma, of vocal cords, transoral approach, *1963:* Aug., 1090
Psychiatric factors in cervicobrachial pain, *1963:* Dec., **1691–1695**
Psychosomatic disorders, postcholecystectomy, *1961:* Aug., 1003
Pulmonary. See also *Lung.*
Pulmonary arteriovenous aneurysm, *1961:* June, **801–806**
Pulmonary arteriovenous fistula, diagnosis and surgical treatment, *1961:* April, **523–535**
Pulmonary artery and aorta, congenital transposition, *1961:* April, 417
Pulmonary embolism, diagnosis, *1961:* Oct., 1345
postoperative, *1963:* June, **827–838**
specific and nonspecific therapy, *1961:* Oct., 1352
Pulmonary hypertension, cardiovascular surgery and, *1962:* Feb., **131–140**
surgical procedures in presence of, *1963:* Feb., **125–132**
Pulmonic stenosis, cardiac catheterization in, *1961:* April, 288
diagnosis, *1961:* April, 377
surgery of, *1963:* Feb., 141
closed technique, *1961:* April, 344
open operation, *1961:* April, **377–385**
with interventricular septal defect, surgery of, *1963:* Feb., 142
Pump-oxygenator in open heart surgery, *1961:* April, 349
Purinethol in cancer, *1962:* April, 358
Purpura, fibrinolytic, postoperative, *1963:* June, 723
thrombocytopenic, splenectomy for, *1963:* Feb., 216, 222
Pyelonephritis, necrotizing, *1961:* Aug., **1033–1041**
Pyloric stenosis, hypertrophic, congenital, diagnosis, *1961:* Feb., 44
Fredet-Ramstedt operation for, *1961:* Feb., **43–50**
surgical complications, in children, *1963:* June, 692
Pyloromyotomy for congenital hypertrophic pyloric stenosis, technique, *1961:* Feb., **43–50**
Pyloroplasty, with selective gastric vagotomy, *1962:* Dec., 1437
with vagotomy, technique, *1961:* Feb., **23–26**
Pylorus, exploratory technique, *1961:* Feb., 17
Pyometra, malignant disease and, association of, *1962:* Aug., 1029
Pyopneumothorax, in staphylococcal pneumonia, treatment, *1961:* June, 701
Pyrimidines, fluorinated, in cancer, *1962:* June, 810, 811
arterial infusion therapy, *1962:* April, 379, June, 816

Rabies, *1963:* April, 540–544
Radiation, cervical stenosis due to, *1962:* Aug., 1027
response to, predicting, in cervical cancer, *1962:* Aug., **985–1004**

Radiation therapy, basic concepts, *1962:* April, 404
effects in carcinoma of breast, *1962:* Dec., 1473
in children, malignant transformation of benign laryngeal papillomas after, *1963:* Aug., **1049–1061**
of cancer, place in modern management, *1962:* April, **403–417**
specific applications, *1962:* April, 409–416
of malignant melanoma, *1962:* April, 463
of thryoid carcinoma, *1962:* April, 489
Radiography, Polaroid, with gynecography, *1962:* June, 734
postoperative, in chest surgery, *1961:* June, 586
Radioiodine. See *Iodine, radioactive.*
Radioisotope methods, for blood volume determinations, *1963:* Feb., 188
in diagnosis of upper gastrointestinal bleeding, *1962:* Oct., 1094
Radiology, diagnostic, in thoracic surgery, *1961:* June, **573–590**
Radiosensitivity, of cervical cancer, *1962:* Aug., **985–1004**
testing procedures, *1962:* Aug., 987
Radius. See also *Bones, long.*
fractures, nonunion in, *1963:* April, 348
Radon, in carcinoma of mouth and tongue, *1962:* Dec., 1606
Raw surfaces, postoperative bleeding from, *1963:* June, 719
Recognition, as principle of fracture therapy, *1961:* Dec., 1453–1458
Rectosigmoid, left colon and, resection of, value of Foley catheter cecostomy, *1962:* Dec., **1475–1479**
Rectovaginal septum, formation of, *1962:* Aug., 890
Rectovesical septum, formation of, *1962:* Aug., 890
Rectum, biopsy of, *1962:* April, 440
bleeding from, in diverticulitis of colon, *1962:* Oct., 1272
blood supply, *1962:* Oct., 1223
carcinoid, *1962:* Oct., 1243
carcinoma, chemotherapy, *1962:* Oct., 1152
local measures, *1962:* Oct., 1152
regional methods, *1962:* Oct., 1155
diagnosis, *1962:* Oct., 1219
surgical treatment, choice of operation, *1962:* Oct., 1222
current considerations, *1962:* Oct., **1219–1234**
feeding by, *1962:* Oct., 1144
polyps, cancer and, *1962:* Oct., 1219
resection, abdominoperineal, two-team, technique, *1961:* Feb., **115–122**
with total colectomy, one-stage procedure, *1961:* Feb., **123–133**
Rectum (*Continued*)
surgical lesions, in Hawaii, *1963:* Oct., **1397–1414**
villous adenoma of, treatment, *1962:* Dec., 1460
Reduction, as principle of fracture therapy, *1961:* Dec., 1458
open, of closed fractures, complications following, *1961:* Dec., **1587–1592**
Refrigeration. See *Hypothermia.*
Rehabilitation, following fracture of tibia, *1961:* Dec., 1501
prosthodontic, after jaw resection, *1963:* Aug., **997–1001**
Rejection phenomenon in tissue transplantation, *1962:* Feb., 57
attenuation or paralysis of, *1962:* Feb., 60
Renal. See also *Kidney.*
Renal artery, stenosis, hypertension due to, *1962:* Feb., 109–130
surgical correction, *1962:* Feb., 121
Rendu-Osler-Weber disease and pulmonary arteriovenous fistula, relation, *1961:* April, 528
Renogram, radioisotope, in renal hypertension, *1962:* Feb., 113
Respiration. See also *Air passages, Breathing* and *Ventilation.*
artificial, in postoperative ventilatory failure, *1963:* June, 632
insufficiency, following heart surgery, *1963:* June, 738
obstruction, severe, management, *1961:* Feb., **201–212**
Respiratory acidosis. See under *Acidosis.*
Respiratory system, evaluation in fracture case, *1961:* Dec., 1454
protection in head and neck surgery, *1963:* Aug., 934
upper, fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 948
Retention, as principle of fracture therapy, *1961:* Dec., 1458–1462
Reticuloendothelial malignancies, chemotherapy, *1962:* April, 361
radiation therapy, *1962:* April, 416
Reticuloendothelial system, and hepatic metastases in cancer, *1962:* April, 341
Retroperitoneal exploration, incisions for, *1963:* April, 389
technique, *1961:* Feb., 20
Retroperitoneal hematoma, management, *1963:* April, 399
Retroperitoneal rupture of duodenum due to nonpenetrating trauma, *1963:* April, **413–431**
Retroperitoneal tumors, systemic effects, *1962:* April, 311
Revascularization, renal, for renal hypertension, *1962:* Feb., 121
Rhizotomy, posterior, for intractable pain in face and deep in ear, *1961:* Oct., 1166
Rhytidectomy, facial and cervical, *1963:* Aug., **963–972**

Rib(s), cervical, *1963:* Dec., 1481
cervicobrachial pain due to, *1963:* Dec., 1705
stress fracture, associated with pregnancy, *1962:* Aug., **909–919**
Roentgen diagnosis, in thoracic surgery, *1961:* June, **573–590**
of androgenism in female, *1962:* Aug., 967
of aortic stenosis, *1961:* April, 465
of carcinoma of cardia, *1961:* Aug., 898
of cervical spine injuries, *1961:* Oct., 1359
of esophageal achalasia, *1962:* Dec., 1408
of esophageal varices, *1961:* Aug., 887
of gastrojejunocolic fistula, *1962:* Dec., 1446
of heart disease, *1961:* April, 270
of intra-articular fracture in recurrent dislocation of shoulder, *1963:* Dec., 1639
of pulmonary arteriovenous aneurysm, *1961:* April, 529
of shoulder dislocations, posterior, *1963:* Dec., 1624
of upper gastrointestinal hemorhage, *1962:* Oct., 1092
Roentgen treatment, basic concepts, *1962:* April, 404
of cancer, of breast, *1962:* Aug., 854
palliative, *1961:* Oct., 1225; *1962:* Aug., 869
postoperative, *1961:* Oct., 1224; *1962:* April, 496
simple mastectomy with, *1962:* Aug., 846, 855, 858
of cervix, radiosensitivity testing procedures, *1962:* Aug., 987
of colon and rectum, 5-fluorouracil with, *1962:* Oct., 1164
preoperative, *1962:* Oct., 1228
of lung, pre- and postoperative, *1963:* Feb., 119
selection of patient for, *1961:* June, **761–768**
of thyroid, *1962:* April, 490
place in modern management, *1962:* April, **403–417**
of pituitary adenomas, dosages in, *1962:* June, **603–611**
of tumors of chest wall, *1961:* June, 649
Roentgenogram, chest, preoperative, in estimating ventilatory function, *1963:* June, 624
Roentgenography, body section, as related to thoracic surgery, *1961:* June, 573
Röntgen, Wilhelm Conrad, *1963:* April, 322
Rotator cuff, anatomy, *1963:* Dec., 1475, 1476, **1507–1515**
calcification and degenerative changes of, as causes of painful shoulder, *1963:* Oct., 1300
Rotator cuff (*Continued*)
calcified deposits in, experimental production, *1963:* Dec., 1483
natural history and clinical syndromes, *1963:* Dec., **1489–1493**
rupture, conservative treatment, selection of cases for, *1963:* Dec., **1531–1534**
diagnosis and treatment, *1963:* Dec., **1523–1530**
disability evaluation, *1963:* Dec., 1725
in shoulder dislocation, *1963:* Dec., 1618
major, repair of, *1963:* Dec., **1535–1540**
surgical anatomy, *1963:* Dec., **1507–1515**
vascular supply, *1963:* Dec., **1521–1522**
Roux en Y technique in common duct stricture, *1962:* Oct., 1333, 1335
Rubber, silicone, as subcutaneous implant material, *1963:* Oct., **1313–1321**
Rubin's test in infertility, *1962:* June, 751
Rupture, of duodenum, retroperitoneal, due to nonpenetrating trauma, *1963:* April, **413–431**
of rotator cuff. See under *Rotator cuff.*
of spleen, *1963:* April, **445–455**

SACRAL decubitus ulcers, surgical treatment, *1963:* Feb., 251, 257
Saliva, electrolytes in, in renal failure, *1963:* April, 559
flows, in renal failure, *1963:* April, 559
Salivary glands, tumors of, *1963:* Oct., 1284
San Francisco medical schools, history of, *1962:* Aug., **833–837**
Sarcoidosis, Boeck's, *1963:* Oct., 1289
Sarcoma, chemotherapy, by arterial infusion, *1963:* Feb., 32
by perfusion technique, postsurgery, *1963:* Feb., 46
of chest wall, *1961:* June, 650
Scalene node biopsy, *1962:* April, 440
in carcinoma of lung, *1963:* Feb., 110
diagnostic potential and special problems, *1961:* Oct., 1237, 1242
Scalenus anticus syndrome, as cause of painful shoulder, *1963:* Oct., 1303
cervicobrachial pain in, *1963:* Dec., 1705
Scaphoid, injuries, bone necrosis following, *1961:* Dec., 1714
Scapula, fractures, diagnosis and treatment, *1963:* Dec., **1565–1571**
disability evaluation, *1963:* Dec., 1725
neck, fractures, *1963:* Dec., 1569

Scapula (*Continued*)
surgical anatomy and function, *1963:* Dec., 1474
Scarification procedure, external, for incompetent cervix, experiences with, *1962:* Aug., 955–959
Scintigram, in evaluation of thyroid nodule, *1962:* June, 657–664
Screws, for old unreduced anterior dislocation of shoulder, *1963:* Dec., 1674
for tibial fractures, *1961:* Dec., 1555
Scrotum, injuries, operative, *1963:* June, 825
Sedation, after open heart surgery, *1961:* Oct., 1252
for otologic surgery, *1963:* Oct., 1208
Seminal vesicles, surgical complications arising in, *1963:* June, 824
Seminoma, *1962:* June, 783
Senility, cervical stenosis in, *1962:* Aug., 1027
Sensitization response as test of radiosensitivity of cervical cancer, *1962:* Aug., 988, 993
Septal defects, atrial, cardiac catheterization in, *1961:* April, 284
diagnosis and surgical treatment, *1961:* April, **397–406**
surgery of, *1963:* Feb., 139
ventricular, cardiac catheterization in, *1961:* April, 286
surgical treatment, *1961:* April, **407–416**; *1963:* Feb., 136
with pulmonary stenosis, surgery of, *1963:* Feb., 142
Septum secundum, defects, diagnosis and surgical treatment, *1961:* April, 397
Sex, anomalies, in newborn, *1963:* June, 701
influence on operative risk in aneurysm of aortic arch, *1962:* Dec., 1550
Sherman, William O'Neill, *1963:* April, 321, 323
Shirodkar cerclage operation for incompetent cervical os, *1962:* June, 754, 755
Shock, after cardiovascular surgery, causes and treatment, *1961:* April, **309–313**
causes and management, recent additions to knowledge of, *1962:* Feb., **3–13**
diagnosis and evaluation of patient in, *1962:* Feb., 7
hemorrhagic, irreversible, development of, *1962:* Feb., 4
treatment, *1962:* Feb., 10
hypovolemic, *1963:* June, 598
in burns, treatment, *1963:* Feb., 231
in craniotomy, *1962:* Dec., 1568
in pelvic exenteration, *1962:* Dec., 1588
in peritonitis, mechanism and management, *1962:* Oct., **1101–1113**
irreversible, *1963:* June, 599
normovolemic, *1963:* June, 598
refractory, management, *1963:* June, 605
Shock (*Continued*)
traumatic, *1963:* June, **597–608**
acute oliguria due to, management, *1963:* April, 557
management, *1963:* April, **469–495**, June, 600
physiologic considerations, *1963:* April, 471
Shoulder, arthrodesis of, indications and technique, *1963:* Dec., **1599–1607**
athletic injuries, *1963:* Dec., 1551–1554
calcified deposits in, experimental production, *1963:* Dec., **1483–1488**
natural history and clinical syndromes, *1963:* Dec., **1489–1493**
operative treatment, *1963:* Dec., **1501–1504**
results of treatment, *1963:* Dec., **1505–1506**
symptomatic, nonoperative treatment, *1963:* Dec., **1489–1493**
capsulitis, adhesive, *1963:* Dec., 1708–1713
checkrein. See *Shoulder, frozen.*
disability evaluation about, *1963:* Dec., **1721–1726**
dislocations, anterior, prognosis and treatment, *1963:* Dec., **1609–1614**
recurrent, basic lesions of, *1963:* Dec., **1631–1634**
Gallie technique for repair, *1963:* Dec., **1655–1662**
intra-articular fracture in, *1963:* Dec., **1635–1645**
modified Bankart procedure for, *1963:* Dec., **1663–1670**
modified Magnuson procedure for, indications and technique, *1963:* Dec., **1647–1649**
results following, *1963:* Dec., **1651–1653**
operative treatment, results, **1667–1670**
nerve injuries in, treatment, *1963:* Dec., **1685–1689**
posterior, *1961:* Dec., **1655–1659**
diagnosis and treatment, *1963:* Dec., **1623–1630**
unreduced, old, treatment, *1963:* Dec., **1671–1678**
with tuberosity fracture, *1963:* Dec., **1615–1620**
fractures, clavicular, *1963:* Dec., **1555–1563**
epiphyseal, *1963:* Dec., **1573–1580**
nerve injuries in, treatment, *1963:* Dec., **1685–1689**
scapular, *1963:* Dec., **1565–1571**
frozen, *1963:* Dec., 1708–1713
treatment by manipulation and corticosteroids, indications, *1963:* Dec., **1715–1720**
joints. See *Acromioclavicular, Sternoclavicular, Glenohumeral.*

Shoulder (*Continued*)
manipulation of, *1961:* Dec., 1615; *1963:* Dec., **1715–1720**
musculoskeletal disorders causing cervicobrachial pain, differential diagnosis and treatment, *1963:* Dec., **1703–1714**
painful. See also *Pain, cervicobrachial.*
causes, *1963:* Oct., 1299
treatment, *1963:* Oct., **1299–1305**
periarthritis, degenerative, natural history, *1963:* Dec., 1515
prenatal development, *1963:* Dec., **1465–1470**
rotator cuff and its lesions. See *Rotator cuff.*
subluxation, posterior, locked, diagnosis and treatment, *1963:* Dec., **1621–1622**
recurrent, *1963:* Dec., 1627
surgery of, symposium on, *1963:* Dec., **1463–1726**
surgical anatomy and function, *1963:* Dec., **1471–1482, 1507–1515, 1541–1550**
tendinitis, cervicobrachial pain due to, *1963:* Dec., 1707
Shoulder-hand syndrome, as cause of painful shoulder, *1963:* Oct., 1301
Shunt(s), portacaval, reduction of operative risks, *1962:* Dec., **1499–1508**
prophylactic, in portal hypertension, *1961:* Oct., 1314
Sialadenitis, facial nerve in surgical treatment of, *1963:* Aug., 976
Sickle cell anemia, splenectomy for, *1963:* Feb., 220
Sigmoid, diverticulitis, surgical treatment, current trends, *1962:* Oct., **1267–1276**
Silicone rubber, as subcutaneous implant material, *1963:* Oct., **1313–1321**
Sinus(es), branchial-cleft, embryologic development and surgical management, *1963:* Aug., **1033–1039**
maxillary, carcinoma, arterial infusion therapy, *1962:* June, 817
paranasal, carcinoma, arterial infusion chemotherapy, *1962:* April, 383
radiation therapy, *1962:* April, 410
pilonidal, *1962:* June, **787–792**
thyroglossal duct, *1963:* Aug., **1023–1032**, Oct., 1291
Skiing, ankle injuries in, biomechanics of, as related to release bindings, *1963:* April, **363–365**
Skin, as material for reconstruction of cervical esophagus, *1963:* Aug., 1172
biopsy of, *1962:* April, 439
carcinoma, radiation therapy, *1962:* April, 409
evaluation in fracture case, *1961:* Dec., 1455
fresh-frozen sections in diagnosis of lesions, *1963:* Aug., 944
grafting, in burns, *1961:* Oct., 1179; *1963:* Feb., 237, April, 508
Skin (*Continued*)
grafting, in burns, anesthesia and operating time, *1961:* Oct., 1182
in osteomyelitis following fractures of long bones, *1961:* Dec., 1599
in scar contractures of neck, *1961:* Oct., 1170, 1171
lesions, frozen section examination, *1962:* April, 452
Skull, fractures, compound, *1961:* Oct., 1258
in infants and children, *1961:* Oct., 1256
simple, *1961:* Oct., 1256
traction, in fractures and dislocations of cervical spine, *1961:* Dec., 1667
Smith-Petersen, Marius N., *1963:* April, 324
Snake bite, *1963:* April, 544–549
Sodium, deficit, in dehydration with hyponatremia, calculation, *1963:* June, 655
exchange, complex problems of, in surgical disease states, *1961:* Oct., 1148
Sodium hypochlorite in prevention of carcinoma at operation for intestinal cancer, *1962:* Oct., 1153, 1155
Soft tissue, wounds, of head and neck, management, *1963:* Aug., 919
tumors, frozen section examinations, *1962:* April, 451
Space travel, problems of, *1963:* April, 334
Spasm, esophageal, idiopathic, *1961:* Aug., 867
versus postcholecystectomy pain, *1961:* Aug., 868
of sphincter of Oddi, postcholecystectomy, *1961:* Aug., 1003
Spherocytosis, hereditary, splenectomy for, *1963:* Feb., 216
Sphincter ani, anatomy, *1962:* Aug., 881
recent thoughts on, *1962:* Aug., 891
Sphincter of Oddi, spasm, postcholecystectomy, *1961:* Aug., 1003
stenosis, postcholecystectomy, *1961:* Aug., 1002
Sphincterotomy, choledochal, acute hemorrhagic pancreatitis and necrosis associated with, *1961:* Aug., **979–990**
pancreatic, for pancreatitis, *1963:* Feb., 206
transduodenal, hazards and safeguards, *1961:* Feb., 67–70
Spider bites, *1963:* April, 549–552
Spigelian hernia, *1963:* Oct., **1379–1384**
Spinal canal, metastatic tumors of, diagnosis and management, *1963:* Oct., **1349–1355**
Spinal cord, cervical, tumor of, as cause of painful shoulder, *1963:* Oct., 1303
tumors, radiation therapy, *1962:* April, 409

Spine, cervical, arthritis of, as cause of painful shoulder, *1963:* Oct., 1302, Dec., 1704
fractures and dislocations of, *1961:* Oct., **1357–1366**; *1963:* April, 359
injuries, roentgen recognition of, *1961:* Oct., 1359
sprain of, *1963:* April, 359
stability of, *1961:* Oct., 1357
surgery of, recent advances, *1961:* Dec., **1661–1683**
injuries, in sports, *1963:* April, **351–361**
lumbar, interbody fusion, anterior, *1961:* Dec., **1685–1700**
Spleen, cysts as indication for splenectomy, *1962:* Dec., 1511
infection (abscess) as indication for splenectomy, *1962:* Dec., 1511
physiology and pathology, in relation to surgical diseases, *1963:* Feb., **213–227**
rupture of, *1963:* April, **445–455**
as indication for splenectomy, *1962:* Dec., 1510; *1963:* Feb., 222
transplantation, *1962:* Oct., 1213–1216
tumors as indication for splenectomy, *1962:* Dec., 1511
Splenectomy, complications, *1962:* Dec., 1517
diagnostic studies for selection of patients, *1963:* Feb., 215
effects of, *1963:* Feb., 214
for secondary hypersplenism, *1962:* Dec., 1512
indications for, *1961:* Feb., 173; *1962:* Dec., 1509, 1510, 1514
in hematologic disease, *1963:* Feb., 216
in splenic trauma, *1963:* Feb., 222, April, 453
pancreatic complications, *1963:* June, 761
preoperative preparation, *1962:* Dec., 1515
rationale, *1963:* Feb., 213
technique and complications, *1961:* Feb., **173–176**; *1962:* Dec., 1515; *1963:* Feb., **213–227**
reduction of mortality and morbidity, *1962:* Dec., **1509–1519**
Splenic artery, aneurysm, *1961:* Aug., **1121–1126**
in etiology of portal hypertension, *1962:* Oct., 1339
Splenic pulp manometry in upper gastrointestinal hemorrhage, *1962:* Oct., 1093
Splenoportography in upper gastrointestinal hemorrhage, *1962:* Oct., 1093
Splint, contact, in stabilization of tibial fracture, *1961:* Dec., 1519
immobilization of mandible with, for bone grafting in edentulous mouth, *1963:* Aug., 992
Sports, spinal injuries in, *1963:* April, **351–361**
Sprains of cervical spine, *1963:* April, 359
Sprue, nontropical, hypoproteinemia and, *1962:* Oct., 1131
Spur, cervical, excision by anterior approach, *1961:* Dec., 1682
Sputum, cytologic examination, in carcinoma of lung, *1961:* Oct., 1234
Staphylococcal enterocolitis, postoperative, *1963:* June, 875
Staphylococcal infections, postoperative, *1963:* June, 862, 866
Staphylococcal pneumonia, treatment, surgical considerations, *1961:* June, **695–707**
Stein-Leventhal syndrome. See *Ovary, polycystic disease of.*
Stenosis. See *Atresia* and name of organ.
Sterility. See *Infertility.*
Sterilization, hysterectomy for, *1962:* Aug., 935
tubal, one more method of, *1962:* Aug., **1005–1012**
review of methods, *1962:* Aug., 1007
Sternoclavicular joint, injuries in athletics, *1963:* Dec., **1551–1554**
surgical anatomy, *1963:* Dec., **1546–1550**
Steroid. See also *Corticosteroids.*
Steroid replacement, following hypophysectomy, *1962:* Dec., 1571
Steroidal examinations in androgenism in female, *1962:* Aug., 969
Stiff neck, *1963:* Dec., 1704
Stiff shoulder, *1963:* Dec., 1708–1713, **1715–1720**
Stomach, as material for reconstruction of cervical esophagus, *1963:* Aug., 1174, 1178
carcinoma, chemotherapy, *1962:* April, 363, June, 813, Oct., 1150
hemorrhage from, intragastric cooling in, *1962:* Oct., 1177
cardial portion, carcinoma, *1961:* Aug., **897–905**; *1962:* Dec., **1397–1405**
decompression, in gastrointestinal surgery, *1962:* Feb., **231–239**
disease, diagnosis with fiberscope, *1962:* Oct., 1084
hypoproteinemia in, *1962:* Oct., 1126
fistula from, *1962:* Oct., 1318
treatment, *1962:* Oct., 1316
foreign bodies, in children, *1963:* June, 693
fundus, exploratory technique, *1961:* Feb., 16
injury to, as complication of splenectomy, *1962:* Dec., 1518
motility and reservoir function, as factors in ulcer management, *1962:* Feb., 191
obstruction, postoperative, *1963:* June, 773
operations on, for pancreatitis, *1963:* Feb., 203
posterior wall, exploratory technique, *1961:* Feb., 19
resection. See *Gastrectomy.*
retention, postoperative, *1963:* June 771

Stomach (*Continued*)
secretion, physiology of, as it applies to peptic ulcer, *1962:* Feb., **185–201**
surgery of, complications, *1963:* June, **765–774**
endoscopy after, using fiberscope, *1962:* Oct., 1087
in aged, current concepts, *1963:* Feb., **261–275**
tumors, frozen section examination, *1962:* April, 451
ulcer. See also *Peptic ulcer.*
gastrectomy for, subtotal, technique, *1961:* Feb., **27–36**
hemorrhage from, intragastric cooling in, *1962:* Oct., 1176
perforated, surgical management, *1961:* Feb., 41
physiology of gastric secretion as it applies to, *1962:* Feb., **185–201**
posterior, large, diagnosis and treatment problems, *1961:* Aug., **907–914**
whole, transplants of, *1962:* Oct., 1206–1213
Stones. See *Calculi.*
Stool, lienteric, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445, **1446**
Strangulation obstruction of intestines, *1962:* Oct., 1298
physiology of, *1962:* Feb., 219–229
Strassman operation for double uterus, *1962:* June, 756
Streptomycin, in management of cavity following pelvic exenteration, *1962:* Dec., 1590
in peritonitis secondary to perforation of alimentary tract, *1962:* Dec., 1485
Stress ulcer, bleeding from, intragastric cooling in, *1962:* Oct., 1176
Stricture, of common duct, etiology, prevention and surgical treatment, *1962:* Oct., 1329
postcholecystectomy, *1961:* Aug., 998
of esophagus, chemical or caustic, *1961:* June, 776
inflammatory, endoscopic management, *1961:* June, 798
of uterine cervix, *1962:* Aug., **1025–1031**
Stripping operation, for varicose veins, *1961:* Feb., **235–245**
Struma lymphomatosa, *1962:* June, **647–653**
Stump, duodenal, closure of, protection, *1961:* Oct., **1323–1329**
Subacromial bursa, *1963:* Dec., 1480
Subacromial region, anatomy, *1963:* Dec., 1509
Subarachnoid hemorrhage, spontaneous, as presenting symptom of tumor of third ventricle, *1961:* Aug., **1043–1048**
Subclavian artery, aneurysm, false, *1961:* June, 632
Subclavian artery (*Continued*)
right, anomalies, compression syndrome from, *1961:* June, 830
Subdiaphragmatic disease, extension into thoracic cavity, *1961:* June, **847–852**
Subdural hematoma in infants and children, *1961:* Oct., 1263
Subhepatic collections in biliary surgery, *1963:* June, 747
Subluxation. See *Dislocation.*
Suction-drainage, fluids and electrolytes in, *1962:* Feb., 46
Sulfanilamide prophylaxis in total colectomy, *1961:* Feb., 130
Surgery, clinical advances in, *1963:* Feb., **1–308**
complications of, and their treatment, symposium on, *1963:* June, **575–904**
gynecologic, *1963:* June, **789–810**
in infants and children, *1963:* June, **685–702**
urologic, *1963:* June, **811–826**
difficult diagnostic problems in, symposium on, *1961:* Aug., **865–1126**
gastrointestinal. See *Gastrointestinal tract, surgery.*
general, hypothermia in, *1962:* Feb., 73
management, problems of, symposium on, *1961:* Oct., **1141–1432**
of endocrine glands, symposium on, *1962:* June, **567–822**
of shoulder region, symposium, *1963:* Dec., **1463–1726**
private clinic, in U.S.A., symposium on, *1963:* Oct., **1201–1431**
techniques in, symposium on, *1961:* Feb., **1–257**
Surgical lesions, asymptomatic, detection of, *1961:* Oct., **1425–1432**
of rectum and colon in Hawaii, *1963:* Oct., **1397–1414**
Surgical patients, blood volume determinations in, importance, *1963:* Feb., **187–199**
Surital anesthesia, *1963:* June, 648
Suspension apparatus, Killian-Lynch, for direct peroral intralaryngeal instrumentation, *1963:* Aug., 938
in vocal-cord surgery, *1963:* Aug., 1081, 1082
Suture line, prevention of cancer at, at operation, *1962:* Oct., 1152
Sutures in blood vessel surgery, *1961:* Feb., 247
Suturing techniques, effect on healing, *1962:* Feb., 30
Sympathectomy, for essential hypertension, physiologic principles, *1962:* Feb., 100
in frostbite, *1963:* April, 530
lumbodorsal, for pancreatitis, *1963:* Feb., 204
response to, and limb salvage angioplasty, *1963:* Feb., 297
Synovial joints, development, *1963:* Dec., 1465

Szilagyi incision, *1963:* Feb., 301

TACHYPNEA, alphaprodine in, *1963:* Oct., 1241
Talatrol for acidosis therapy in surgery, *1963:* Feb., **179–186**
Talc poudrage, in pleural effusion due to cancer, *1962:* Dec., **1521–1526**
Talus, fractures of, bone necrosis following, *1961:* Dec., 1711
Tamponade, balloon, in hemorrhage from gastroesophageal varices, *1961:* Oct., 1310
cardiac, management, *1961:* April, 493
Technique, surgical, symposium on, *1961:* Feb., **1–257**
Teflon prostheses, for total aortic valve replacement, *1962:* Dec., 1537
Telangiectasis, hemorrhagic, hereditary, and pulmonary arteriovenous fistula, relation, *1961:* April, 528
TEM in cancer, *1962:* April, 354, 356, June, 810
Temperature regulation in surgery of children, *1963:* June, 687
Tendinitis, calcareous, *1961:* Dec., **1721–1728**
of shoulder, cervicobrachial pain due to, *1963:* Dec., 1707
Tendon(s), calcification of, *1961:* Dec., 1722
evaluation in fracture case, *1961:* Dec., 1456
Tenosynovitis, bicipital, as cause of painful shoulder, *1963:* Oct., 1301
Teratocarcinoma, *1962:* June, 783, 784
Teratoma, cystic, benign, of neck, *1961:* Aug., 1075
extrapulmonary, *1961:* June, 675
Testes, carcinoma, chemotherapy, *1962:* April, 362
radiation therapy, *1962:* April, 414
injuries, operative, *1963:* June, 825
lymphatics of, *1962:* June, 779, 780
surgical diseases, diagnosis, *1962:* June, 583, 586
landmarks in history of, *1962:* June, 575
tumors, surgery of, *1962:* June, **779–786**
undescended, tumor in, *1962:* June, 784
Testicular feminization syndrome, *1962:* June, 740
Testosterone, effect on wound healing, *1962:* Feb., 27
Tetany, diagnosis and treatment, *1962:* Feb., 174
following thyroidectomy, *1962:* June, 674, 676
Tetralogy, acyanotic, surgery of, *1963:* Feb., 142
of Fallot, diagnosis, *1961:* April, 389
surgery of, *1961:* April, **387–396**; *1963:* Feb., 137
Tetralogy (*Continued*)
of Fallot, surgery of, closed technique, *1961:* April, 343, 390
open method, *1961:* April, 391
complications and results, *1961:* April, 393, 395
Thalassemia major, splenectomy for, *1963:* Feb., 220
THAM, in shock states, *1963:* April, 484
uses, doses, pharmacology and hazards, *1963:* June, **577–583**
Thiamylal anesthesia, *1963:* June, 648
Thiopental anesthesia, *1963:* June, 648
Thio-TEPA, arterial infusion therapy, *1963:* Feb., 32
effect on wound healing, *1962:* Feb., 26
in cancer, *1962:* April, 354, 355, June, 810
of breast, *1962:* Aug., 870
with radical mastectomy, *1962:* April, 498
Thoracic. See *Chest.*
Thoraco-abdominal repair of esophageal hiatus hernia, *1961:* June, **835–838**
Thoracotomy, anesthesia for, *1961:* June, **591–602**
diagnosis of chest diseases by, *1963:* Oct., **1293–1297**
emergency, in cardiac arrest, *1963:* June, 708
exploratory, in carcinoma of lung, *1963:* Feb., 112
for aortic bypass, *1961:* June, 814
postoperative management, *1961:* June, **603–617**
preoperative evaluation of patient, *1961:* June, **545–556**
techniques, *1961:* Feb., 5
with partial pleurectomy, *1963:* Feb., 103
Thorax. See *Chest.*
Thrombitis. See *Thrombophlebitis.*
Thrombocytopenia, idiopathic, primary, as indication for splenectomy, *1962:* Dec., 1512
Thrombocytopenic purpura, splenectomy for, *1963:* Feb., 216, 222
Thromboembolism, etiology, *1961:* Oct., 1343
problems in, *1961:* Oct., **1343–1355**
Thromboendarterectomy, aortic, anesthesia for, *1961:* April, 332
at iliac bifurcation, *1961:* Feb., 250
in femoral obstruction, *1961:* Feb., 251
Thrombophlebitis, *1961:* Oct., 1344
migratory, diagnosis, *1961:* Oct., 1346
pathogenesis and treatment, *1961:* April, **511–516**
Thrombosis, arterial, surgical, *1961:* April, **517–521**
ball-valve, after cardiovascular surgery, *1961:* April, 311
posthysterectomy, *1961:* Feb., 165
venous, diagnosis, *1961:* Oct., 1343
idiopathic, and cancer, *1962:* April, 319

Thrombotic complications, of splenectomy, *1962:* Dec., 1518
Thymectomy, for hyperparathyroidism, *1962:* June, 630
for myasthenia gravis, *1962:* June, 628
indications and technique, *1961:* Feb., **167–172**
Thymoma, *1961:* June, 668; *1962:* June, 626
intrathoracic goiter and, differentiation, *1962:* June, 680, 681
Thymus gland, carcinoma, systemic effects, *1962:* April, 306
embryology and surgical anatomy, *1962:* June, 623
surgery of, *1962:* June, **623–632**
tumors, *1961:* June, **667–673**; *1962:* June, 626
surgical treatment, *1961:* Feb., 168; *1962:* June, 627
Thyroglossal duct, cysts and sinuses, *1963:* Aug., **1023–1032**, Oct., 1291
Thyroid block for thyroidectomy, *1963:* Aug., 936
Thyroid gland, carcinoma, *1961:* Oct., **1191–1200**; *1962:* Feb., 165, April, **481–492**, June, **687–691**
implications of typical course, *1963:* Aug., 1102
radiation therapy, *1962:* April, 412, 489
suppressive therapy, *1962:* April, 490
surgical treatment, *1962:* April, 481, June, 689; *1963:* Aug., **1107–1114**
diseases, diagnosis and treatment, physiologic principles, *1962:* Feb., **151–169**
examination, *1962:* June, 614
frozen section, *1962:* April, 450; *1963:* Aug., 947
exogenous, in clinical appraisal of nodular goiters, *1963:* Aug., 1101
function, tests of, *1962:* Feb., 153, June, 644, 645
hormones, *1962:* June, 640
physiology, newer concepts, *1962:* June, **639–646**
normal, *1962:* Feb., 151
relationships, *1962:* June, 643
resection for carcinoma, extent of, *1963:* Aug., 1107
surgical diseases, diagnosis, *1962:* June, 583, 585
landmarks in history of, *1962:* June, 571
tracheotomy in, *1962:* June, **693–696**
tumors, *1963:* Oct., 1284
physiology of, *1962:* June, 646
Thyroid nodule, evaluation of, *1962:* June, **655–665**
scintigram in, *1962:* June, 657–664
management of, *1963:* Oct., **1363–1372**
Thyroidectomy, anesthesia for, *1963:* Aug., 936
for primary hyperthyroidism, complications, *1962:* Feb., 161
results, *1962:* June, **673–677**
transsternal, *1961:* June, **655–666**
Thyroiditis, associated with thyroid nodule, *1963:* Oct., 1369
diagnosis and treatment, physiologic principles, *1962:* Feb., 162
Hashimoto's, *1962:* June, **647–653**
diagnostic tests, *1962:* June, 649
Thyroid-stimulating hormone, *1962:* June, 642
Thyrotomy, for laryngeal surgery, anesthetic techniques, *1963:* Aug., 939
Thyrotoxicosis. See also *Hyperthyroidism.*
diagnosis and treatment, physiologic principles, *1962:* Feb., 157
Tibia. See also *Bones, long.*
and fibula, fractures of, closed treatment, *1961:* Dec., 1497, 1516
complications following open reduction, *1961:* Dec., **1587–1592**
indications and operative technique for open reduction and internal fixation, *1961:* Dec., **1515–1529**
blood supply of, *1961:* Dec., **1463–1471**
femur and, fracture of, *1961:* Oct., 1382
fractures, and pseudarthroses, management, *1961:* Dec., **1567–1577**
complicated, brace management, *1961:* Dec., **1579–1585**
contact splint stabilization, *1961:* Dec., 1519
in adults, *1961:* Dec., 1569
in children, *1961:* Dec., 1567
indications for open reduction and internal fixation, *1961:* Dec., 1490
internal fixation, *1961:* Dec., 1493
intramedullary fixation, *1961:* Dec., **1531–1543**
natural history of, *1961:* Dec., **1495–1513**
nonunion and malunion in, *1963:* April, 346
open reduction, technique, *1961:* Dec., 1519
operative treatment, *1961:* Dec., **1489–1494**, 1495–1513, 1515–1529, 1531–1543, 1545–1565, 1567–1577
plate and screw fixation, indications and operative technique, *1961:* Dec., **1545–1565**
rehabilitation, *1961:* Dec., 1501
lateral plateau of, surgical approach to, *1961:* Dec., 1478
shaft of, surgical approach to, *1961:* Dec., 1479
Tissues, compatibility, *1962:* Feb., 57
evaluation in fracture case, *1961:* Dec., 1455
redundant, facial and cervical, surgical removal, *1963:* Aug., **963–972**
transplantation, surgical physiology of, *1962:* Feb., **55–67**

Tomography, as related to thoracic surgery, *1961:* June, 573
Tongs, skull, application for traction, *1961:* Dec., 1667
Tongue, bites of, self-inflicted, *1963:* April, 539
carcinoma, arterial infusion chemotherapy, *1962:* April, 383
cure without major deformity and morbidity by use of radon or resection and neck dissection, *1962:* Dec., **1605–1617**
full jaw-neck operation for, *1962:* Dec., 1613
neck dissection for, *1962:* Dec., 1607
radiation therapy, *1962:* April, 411
radon implantation, *1962:* Dec., 1606
Tonsil, carcinoma, radiation therapy, *1962:* April, 411
Tonsillectomy, technique, *1961:* Feb., **213–219**
Trachea, aspiration, postoperative, *1963:* June, 629
compression, by anomalous great vessels, *1961:* June, **821–834**
injuries, *1961:* June, 630
Tracheal hook, *1961:* Feb., 208
Trachelorrhaphy, cervical stenosis following, *1962:* Aug., 1026
Tracheobronchial secretions, management, after open heart surgery, *1961:* Oct., 1247
Tracheoesophageal fistula, congenital, operation for, *1961:* Feb., 6
management, *1961:* Oct., **1281–1293**
right colon transplant in, *1963:* Feb., **11–30**
surgical complications, in children, *1963:* June, 689
without atresia of esophagus, *1961:* Aug., **871–882**
Tracheostomy, in craniotomy, *1962:* Dec., 1570
in postoperative ventilatory failure, *1963:* June, 632
Tracheotomy, after thymectomy, *1961:* Feb., 172
after thyroidectomy, *1962:* June, 675
in radical neck dissection for cancer, *1961:* Feb., 198
in surgical treatment of thyroid disease, *1962:* June, **693–696**
technique, *1961:* Feb., **205–212**
Traction, in reduction of fracture, *1961:* Dec., 1458
skeletal, in fractures and dislocations of cervical spine, *1961:* Dec., 1667
Tractotomy, medullary, for intractable pain in face and deep in ear, *1961:* Oct., 1164
Transaminase, serum, in hepatobiliary disease, *1962:* Feb., 254
in pancreatic disease, *1962:* Feb., 254, 261
Transfusions, after chest surgery, *1961:* June, 606
Transfusions (*Continued*)
after open heart surgery, *1961:* Oct., 1248
complications of, *1963:* June, **677–684**
hepatitis due to, *1963:* June, 682
in head and neck surgery, *1963:* Aug., 933
in repair of aneurysm of abdominal aorta, *1962:* Dec., 1556
massive, complications, *1963:* June, 682
multiple, hemorrhage following, *1963:* June, 722
in aged, prophylactic use of gamma globulin to reduce risk of serum hepatitis, *1963:* Feb., 271
pressure, in chest surgery, *1961:* June, 597, 598
reactions, *1963:* June, 679
acute oliguria due to, treatment, *1963:* April, 557
Transplantation, gastrointestinal, *1962:* Oct., **1191–1217**
of bone marrow, *1963:* Feb., 172
of kidney, *1963:* Feb., 169
of parathyroid tissue, *1963:* Feb., 173
of tissues and organs, future of, *1963:* April, 334
progress and problems in, *1963:* Feb., **163–177**
surgical physiology of, *1962:* Feb., **55–67**
Transposition of great vessels, complete, *1961:* April, 417
surgery of, closed technique, *1961:* April, 345
Trauma. See also *Injuries.*
acute circulatory failure in, management, *1963:* April, **469–495**
acute tubular necrosis after, *1963:* April, **555–568**
centers, *1963:* April, 333
effect on hepatic metastases in cancer, *1962:* April, 338
future of, *1963:* April, **329–336**
management, symposium on, *1963:* April, **315–568**
nutrition in, *1962:* Feb., 85
of head and neck, treatment of, *1963:* Aug., **917–927**
past and present of, *1963:* April, **317–327**
perforation of alimentary tract due to, prevention of peritonitis, *1962:* Dec., 1484
specialists in, *1963:* April, 333
surgical physiology of, *1962:* Feb., **79–90**
wound healing and, *1962:* Feb., 88
Trichlorethylene anesthesia, *1963:* June, 646
Tricuspid atresia, *1961:* April, 430
closed operation for, *1961:* April, 346
Tricuspid stenosis, diagnosis and surgical treatment, *1961:* April, 477
Tricuspid valvular disease, cardiac catheterization in, *1961:* April, 281

Triethylene melamine, effect on wound healing, *1962:* Feb., 26
in cancer, *1962:* April, 354, 356, June, 810
Triethylene thiophosphoramide in cancer, *1962:* April, 354, 355, June, 810, Aug., 870
Trilene anesthesia, *1963:* June, 646
Tris buffer, uses, doses, pharmacology and hazards, *1963:* June, **577–583**
Trochanteric decubitus ulcers, surgical treatment, *1963:* Feb., 253, 257
Tromethamine for acidosis therapy in surgery, *1963:* Feb., **179–186**
Trousseau dilator, *1961:* Feb., 208
Trousseau syndrome, diagnosis, *1961:* Oct., 1346
Trousseau test, *1962:* Feb., 175
Truncus arteriosus, common, *1961:* April, 434, 435
T-tube, common duct repair over, in stricture, *1962:* Oct., 1332
drainage of common duct, *1961:* Feb., 64
Tubal obstruction as cause of infertility, treatment, *1962:* June, 757
Tubal sterilization, one more method of, *1962:* Aug., **1005–1012**
Tube gastrostomy for postoperative decompression, *1963:* Oct., 1243–1252
Tube(s), intestinal, in diagnosis of upper gastrointestinal bleeding, *1962:* Oct., 1094
nasogastric, complications, *1963:* Oct., 1244
Tuberculosis, of cecum, in Hawaii, *1963:* Oct., 1409
pulmonary, surgical treatment, *1961:* June, 727, 741
Tuberosity fracture with dislocation of shoulder, *1963:* Dec., **1615–1620**
Tubular necrosis, acute, diagnosis and management, *1963:* April, **555–568**
mannitol in prevention, *1963:* June, 584
Tumor(s), border of, identification by fresh-frozen sections, *1963:* Aug., 945
extrapulmonary, *1961:* June, 675
feminizing, *1962:* April, 556
genetics in, *1962:* April, **289–303**
insulin-secreting, of pancreas, surgical treatment, progress in, *1963:* Feb., **79–97**
of organs. See under name of organ.
parapharyngeal, *1963:* Aug., **1041–1047**
solid, chemotherapy, advances in, *1962:* June, **807–822**
viruses and, *1962:* April, **273–287**
Wilms', evaluation and management, *1961:* Oct., 1298
Twinning, bicornuate uterus and, *1962:* Aug., **1049–1062**

ULCER(S), benign, of cecum, in Hawaii, *1963:* Oct., 1408
Ulcer(s) (*Continued*)
decubitus, treatment, advances in, *1963:* Feb., **245–260**
duodenal. See *Duodenum, ulcer.*
gastric. See *Stomach, ulcer.*
gastrojejunal, gastrojejunocolic fistula associated with, *1962:* Dec., 1443
leg, *1963:* Oct., **1307–1311**
ischemic, *1963:* Oct., **1263–1270**, 1308, 1311
peptic. See *Peptic ulcer, Duodenum ulcer* and *Stomach, ulcer.*
Ulceration, marginal or jejunal, following subtotal gastrectomy for ulcer, *1962:* Dec., 1428
Ulcerative colitis. See *Colitis, ulcerative.*
Ulna. See *Bones, long.*
Uracil mustard in carcinoma of colon and rectum, *1962:* Oct., 1161
Urea as diuretic, mannitol vs., *1963:* June, 587
Ureter, injuries, operative, *1963:* June, 795, 817
Urethra, surgical complications arising in, *1963:* June, 824, 825
Urethrovesical dynamics. See *Vesicourethral.*
Urinary tract, evaluation in fracture case, *1961:* Dec., 1455
infections, postoperative, *1963:* June, 875
in pelvic surgery, *1963:* June, 790
Urine, diversion of, in pelvic exenteration, *1962:* Dec., 1586
electrolytes in, normal, *1962:* Feb., 40
incontinence, physiology, newer thoughts on, *1962:* Aug., 889
retention, postoperative, *1963:* June, 821
Urogenital diaphragm, anatomy of, in female, *1962:* Aug., 888
in male, *1962:* Aug., 884
Urography, excretory, in renal hypertension, *1962:* Feb., 113
Urologic complications of surgery, *1963:* June, **811–826**
Uterine cavity, shape of, as shown by hysterograms, *1962:* Aug., 1049, 1050
Uterotubogram in infertility, *1962:* June, 752
Uterus, arcuate, formula to define, *1962:* Aug., 1049
bicornuate, architecture of, *1962:* Aug., 1052
surgery on, *1962:* Aug., 1052
twinning and, *1962:* Aug., **1049–1062**
bleeding from, postmenopausal, hysterectomy for, *1961:* Feb., 154
carcinoma, polyps as precursor, *1962:* Aug., 1019
radiation therapy, *1962:* April, 414
surgical treatment, *1962:* April, **531–544**
cervix. See *Cervix uteri.*

Uterus (*Continued*)
dilatation and curettage, in endometrial polyps, *1962:* Aug., 1017
infertility following, *1962:* June, 754
paracervical block for, *1962:* Aug., 930
stricture following, *1962:* Aug., 1026
double, and infertility, *1962:* June, 755
fibroids, and infertility, *1962:* June, 756
hysterectomy for, *1961:* Feb., 153
polyps, clinical aspects, *1962:* Aug., **1013–1023**
prolapse, treatment in aged women, *1962:* Aug., **1033–1047**
retroversion, and infertility, *1962:* June, 757

VAGAL reinnervation, prevention of, in selective gastric vagotomy, *1962:* Dec., 1436
Vagina, absence of, *1962:* June, 736
Vaginal vault, abscess, postoperative, *1963:* June, 808
Vagotomy, and gastroenterostomy, technique, *1961:* Feb., **23–26**
and pyloroplasty, technique, *1961:* Feb., **23–26**
for pancreatitis, *1963:* Feb., 204
for peptic ulcer, physiologic principles, *1962:* Feb., 189
gastric, selective, physiologic basis and technique, *1962:* Dec., **1431–1441**
Valvulotomy, mitral, *1961:* April, **445–462**
Varices, esophageal, bleeding, control of hemorrhage, *1962:* Dec., 1504
diagnosis, *1961:* Aug., **883–895**; *1962:* Dec., 1503
emergency portacaval shunt for, *1962:* Dec., 1502
intragastric cooling in, *1962:* Oct., 1175
gastroesophageal, hemorrhage from, management, *1961:* Oct., 1310
Varicocele, pelvic, *1962:* Aug., **975–983**
Varicose veins, examination of patient, *1963:* Oct., 1386
injection treatment, *1963:* Oct., 1387
ligation and stripping operation, *1961:* Feb., **235–245**; *1963:* Oct., 1387
pelvic, diagnosis and treatment, *1962:* Aug., **975–983**
treatment, a practical approach to, *1963:* Oct., **1385–1391**
Vas deferens, injuries, operative, *1963:* June, 825
Vascular causes of cervicobrachial pain, *1963:* Dec., **1697–1701**
Vascular compression syndromes, *1961:* June, **821–834**
Vascular diseases, of kidney, hypertension in, *1962:* Feb., **109–130**
Vascular injuries, emergency management, *1961:* April, **487–496**
Vascular rings, *1961:* April, 421, June, 826, 828
Vascular surgery, technical aids in, *1961:* Feb., **247–251**
Vascular tissue, evaluation in fracture case, *1961:* Dec., 1455
Vasopressin, in control of bleeding esophageal varices, *1962:* Dec., 1504
Vasopressors, in acute circulatory failure, *1963:* April, 484
in bacterial peritonitis, *1962:* Oct., 1110
in shock, *1963:* June, 603
Veins, of tibia, *1961:* Dec., 1468
varicose. See *Varicose veins.*
Vena cava, inferior, injuries of, penetrating, *1963:* April, **387–400**
Venography, intraosseous, in chest lesions, *1961:* June, 584
portal, in esophageal varices, *1961:* Aug., 888
Venous pressure, central, mechanics and interpretation, *1963:* April, 475
significance of, *1963:* April, 471
portal, measurement, *1961:* Aug., 891, 892
Ventilation, problems in, after open heart surgery, *1961:* Oct., 1247
pulmonary, during thoracic operations, *1961:* June, 595
postoperative complications, in chest surgery, *1961:* June, 600
Ventilatory function, tests, preoperative, *1963:* June, 625
insufficiency, postoperative, *1963:* June, **619–636**
in chest surgery, *1961:* June, 611
in lung surgery, *1963:* June, 732
preoperative, evaluation in thoracic patient, *1961:* June, 559, 560
Ventilatory reserve, *1963:* June, 619
preoperative evaluation, *1963:* June, 623
Ventilatory therapy, during operation, *1963:* June, 628
postoperative, *1963:* June, 630, 632
preoperative, *1963:* June, 626
Ventimeter, Roswell Park, *1961:* June, 596
Ventricle(s), right, origin of both great vessels from, *1961:* Aug., **1113–1120**
septal defects, cardiac catheterization in, *1961:* April, 286
surgical treatment, *1961:* April, **407–416**
third, tumor of, spontaneous subarachnoid hemorrhage as presenting symptom, *1961:* Aug., **1043–1048**
Vernet's syndrome. See *Jugular foramen syndrome.*

Vertebra(e). See also *Spine*.
cervical, anterior fusion, *1961:* Dec., 1675
second on third, fracture-dislocation of, *1961:* Oct., 1365
lumbar, interbody fusion, anterior, *1961:* Dec., **1685–1700**
Vesicosigmoidal fistula and diverticulitis, problems in, *1961:* Aug., 932
Vesico-urethral dynamics, in stress incontinence, *1961:* Oct., 1404
normal, *1961:* Oct., 1403
Vesicovaginal fistula, postoperative, *1963:* June, 820
in pelvic surgery, *1963:* June, 793
Vestibular bulbs, *1962:* Aug., 887
Vinblastine in cancer, *1962:* June, 810, 814
Vinethene anesthesia, *1963:* June, 646
Virilism, *1962:* April, 555
diagnostic approach, *1962:* Aug., **961–974**
Virus(es), and cancer, *1962:* April, **273–287**
Visceral pain, physiology of, *1962:* Feb., 243
Vital capacity, timed, in evaluation of pulmonary function, *1961:* June, 560
Vitallium, femoral head prosthesis, *1961:* Dec., 1619
Vitamins, in wound healing, *1962:* Feb., 20
requirements, in gastrointestinal surgery, *1962:* Oct., 1136
Vocal cords, carcinoma, transoral approach, *1963:* Aug., 1088
surgery of, *1963:* Aug., **1081–1096**
Volemetron, *1963:* June, 601, 602
Volvulus, of sigmoid, in Hawaii, *1963:* Oct., 1408
postoperative, *1963:* June, 844
Vomiting, fecal, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
Vulva, anatomy, *1962:* Aug., 885

WASSERHELLE-CELL hyperplasia of parathyroid glands, *1961:* Aug., 1065
Water, body, normal loss, *1962:* Feb., 37
deficits, causes and treatment, *1961:* Oct., 1145

Water (*Continued*)
exchange, complex problems of, in surgical disease states, *1961:* Oct., 1144
overloading, causes and treatment, *1961:* Oct., 1146
requirements, in gastrointestinal surgery, *1962:* Oct., 1135
Web, esophageal, treatment, *1961:* June, 795
Weight loss, as symptom of gastrojejunocolic fistula, *1962:* Dec., 1445
in cancer, *1962:* April, 325
Wilms' tumor, evaluation and management, *1961:* Oct., 1298
radiation therapy, *1962:* April, 415
Wound(s). See also *Injuries*.
closure, in surgery of abdominal aorta, *1961:* Oct., 1339
complications in gynecologic surgery, *1962:* Aug., **1037–1047**
prevention, *1962:* Aug., 1043
dehiscence, *1962:* Feb., 23, Aug., 1042
healing of, common clinical problems in, *1962:* Feb., 23
effects of drugs on, *1962:* Feb., 25
factors involved in, *1962:* Feb., 19
normal process, *1962:* Feb., 15
present knowledge, application to clinical surgery, *1962:* Feb., **15–34**
trauma and, *1962:* Feb., 88
infection of, effect on healing, *1962:* Feb., 23, 27
of organs. See under names of organs.
operative, infections of, *1963:* June, **859–871**
after abdominal surgery, *1963:* June, 766, 778
hemorrhage due to, *1963:* June, 724
penetrating, of brain, in infants and children, *1961:* Oct., 1267
Wrinkles, facial and cervical, surgical removal, *1963:* Aug., **963–972**
Wrist, manipulation of, *1961:* Dec., 1615

X-RAYS. See *Roentgen*.

ZOLLINGER-ELLISON syndrome, *1962:* Feb., 195, 212